

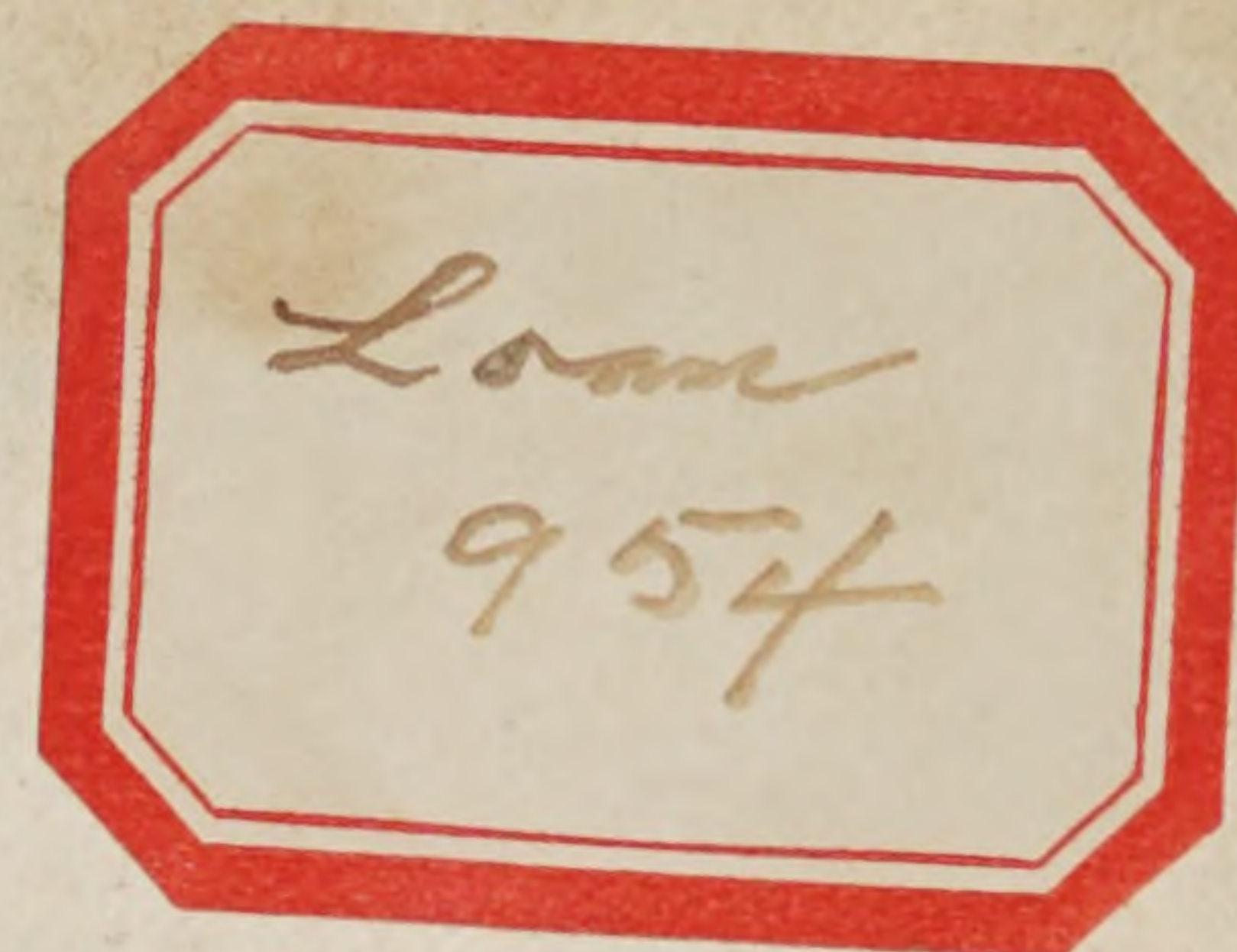
471

Old Dartmouth



Historical Society

471



JOURNAL

OF A

CRUISE TO THE NORTH PACIFIC


VOYAGE

IN THE U. S. S. ALBATROSS

FROM

TOWARDS





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JOURNAL

OF A

On board Brig Mary Ann

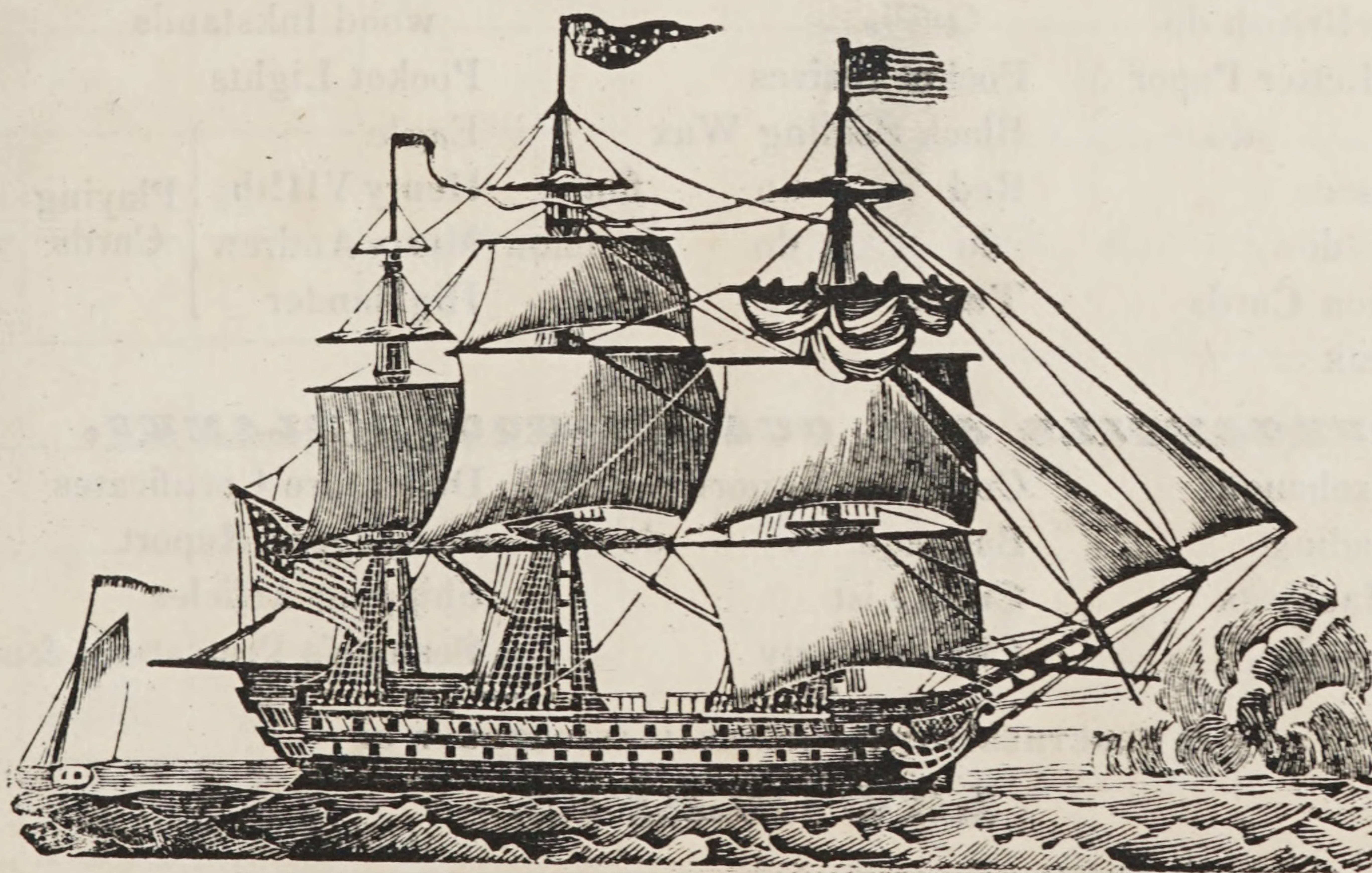
VOYAGE

On Board Brig Mary Ann

From *Bampton Roads, N.Y.*

Towards *Pico de Janeiro*

- 1830 -



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1829.

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Way from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 20 th day of July 1830
1								
2								At 40 m. past 2 P.M. discharging the Pilot
3								
4			E by S	S by E				Cape Henry light bearing WSW distant 8
5								miles - The Ship Indian Chief & an hermaphrodite
6								
7								
8			ESE	South		80°	80°	Brig in company standing out - three Brigs
9								bound in - at 1/2 past 3 Cape Henry bore
10			SE by E	SSW				WSW 1/2 W distant 13 miles from whence I
11								take my departure - The night was
12			"	"				fine. Wind SW - at 10 set the spinnaker, in
1				SW				the morning water set studding sails below
2			"	SW				and aloft, Royal &c - unbraced the cables
3								& stowed them away - Saw 2 Schooners
4			"	WSW				standing to the Northward - Wind light
5								
6			"					
7				West				
8			"					
9						82°	81°	from SW by W - at 10 began to observe
10			"					Gulf weed in considerable quantities -
11								
12			SE by E	E				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
ESE 1/2 E	109	37.1	102.6	2° 07'	36° 21'	36° 24'	74° 04'			W 1/2 S 1/2 E	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 21 st day of July 1830
1								
2			SE by E	SW by S				~ Three 24 hours commence with a light
3								Breeze from the South & West - Saw a Brig
4			"	SSW				and Schooner standing to the NW. -
5								Saw occasional bunches of Gulf weed
6			"					during the afternoon -
7								~ The night was fine at 12 the wind
8			"					blew off a little set the lower &
9								in P. M. studding sails -
10								~ Latter fine all sail set to the
11								best advantage -
12			"	"		88°		

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R. W	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
ESE	95	35.7	87.5	108 m	35° 48'	35° 48'	72° 16'			1/4 of S 1/2 W	

B. Maryland from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences; the 22 ^d day of July 1830.
1								
2			ESE	SSW				The commencement of this day is only distinguished like the preceding by a moderate breeze, pleasant weather & smooth sea. — Crossed the fore royal yard & set the sail — The night was fine — This morning saw a sail to the southward standing for the Harbour of Bahia — Set the Main Top Mast standing sail — So ends &c
3								
4			"	"				
5								
6			"	"				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				
1								
2			"	"				
3								
4			"	WSW				
5								
6			"	"				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
ESE½E	110	37.1	103.6	127 miles	35° 11'	35° 13'	70° 09' W			¼ of a pt W	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences; the 23 ^d day of July 1830.
1								
2			ESE	SW				This day like the last is fair with a continuation of the light SW wind — which however during the night veered more to the westward — Set a lower steering sail on the Starboard side — This forenoon got a Lunar Obs the Longitude deduced therefrom at noon was 65° 57' West of Greenwich for the difference between which and the Long. by Chron I am unable to account —
3								
4			"					
5								
6			"					
7								
8			"	WSW				
9								
10			"	"				
11								
12			"	"				
1								
2			"	"				
3								
4			"	"				
5								
6			"	"				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
ESE½E	96	27.9	91.9	112 m	34° 45'	34° 47'	68° 17'		65° 57'	½ a point	

B. Maryland from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 24 th day of July 1830
1								
2			ESE	SW.				<p>This day comes with fine pleasant weather and a continuation of the light SW wind - at 3.30 P.M. got another set of Lunar Obs. which gave the longitude $65^{\circ}48'39''$ W agreeing almost exactly with those taken this morning. I therefore conclude we must have experienced a strong Easterly current since leaving the land, the more so as the water has lost time much faster than the diff of Long. per Log. would warrant - The night was fine with occasional flashes of lightning in the N.W. - This morning passed a large Spar which had evidently been at sea considerable time as it was covered with clams &c -</p> <p>Got a set of Lunar Observations at 11 A.M. Longitude deduced therefrom at 12 M. was $63^{\circ}39'$ West of Greenwich - our difference of Latitude by Obs. was much less than that given by Log. I have therefore given her an Eby S Course -</p>
3								
4			"	"				
5								
6			"	"				
7								
8			"	"				
9								
10			"	"				
11				West				
12			"	N.W.				
1								
2			"	N.W.				
3								
4			"	"				
5								
6			"	S.W.				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
Eby S	115	22.4	112.8	137 miles	$34^{\circ}25'$	$34^{\circ}26'$	$66^{\circ}50'$		$63^{\circ}39'$	$1/2$ a pt. W.	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 25 th day of July 1830
1								
2			ESE	N.W.				<p>The N.W. wind freshened during the afternoon - at 4 measured a distance between the Sun & Moon Long. $63^{\circ}33'$ W - (The night was fine the Brig going 6 1/2 & 7 knots during the greater part of the 24 hours - at noon got an Obs. of the Sun and Moon Longitudes deduced therefrom $60^{\circ}38'$ West of Greenwich - Allowed 1 point for Variation and drift as the diff of Lat by Obs. & Log are not agree by many miles -</p>
3								
4			"	"				
5								
6			"	"				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				
1								
2			"	"				
3								
4			"	West				
5								
6			"	"				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
Eby S.	147	28.7	144.2	174 m.	$33^{\circ}58'$	$34^{\circ}07'$	$63^{\circ}06'$		$60^{\circ}38'$	$1/2$ a pt. W.	

B. Mary Anne from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 26 th day of July 1830
1								
2			E.S.E.	West				- A Fresh breeze from the Westward with Considerable sea - at 4 46' 32" Got a dist. Long. at that time 40° 26' 30" W.
3								
4			"	"				
5								
6			"	"				
7								
8			"	"				- The breeze freshened so much during the first watch that we were obliged to take in the royals for the first time since setting them off the Capes of Virginia - At daylight this morning set them again -
9								
10			"	"				
11								
12			"	"				
1								- Our diff. Lat. & Distance per Log continue to give us only an EbyS course although we steer per Compass E.S.E. I therefore conclude there must be more Variation than is noted here on the Chart -
2			"	"				
3								
4			"	"				
5								
6			"	"				
7								Ends with a fine Westely breeze
8			"	"				
9								
10			"	"				
11								
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	deduced W Long. by Obs.	Variation.	Mer. Dist.
EbyS	163	31.8	159.9	192m	33° 35'	33° 33'	59° 54'		57° 26'	1/4 pt W	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 27 th day of July 1830
1								
2			E.S.E.	West				A Continuation of the strong Westely breeze characterises the commencement of these 24 hours - at 4.30.32 got a Lunar Obs. Long. 56° 48' 30" W. -
3								
4			"	"				
5								
6			"	"				
7								
8			"	"				Middle fine weather and a fresh breeze from N by N.
9								
10			"	N by N				
11								
12			"	"				
1								This forenoon the wind continued steady although the horizon was obscured by heavy masses of dense clouds - a few minutes before 12, a squall came on accompanied with torrents of rain which obliged us to take in the Studding Sails, Royals & T.G. Sails -
2			"	"				
3								
4			"	"				
5								
6			"	"				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	deduced W Long. by Obs.	Variation.	Mer Dist.
ESE 3/4 E	161	39.1	156.2	187m.	32° 54'	32° 53'	56° 43'		54° 19'	3/4 pt W	

B. Mary Anne from Virginia

towards Rio de Janeiro

H. K. F. Courses. Winds. Lee-way. Air. Water.

Occurrences, the 28th day of July 1830.

1											
2			SE by E	NW							
3											
4			"	"							
5											
6			"	"							
7											
8			"	"							
9											
10			"	N. by W.							
11											
12			"	"							
1											
2			"	"							
3											
4			"	"							
5											
6			"	"							
7											
8			"	"							
9											
10			"	"							
11											
12											

at 1 P.M. the rain ceased the wind
blew to NW. and we again sent out our
sterning sails below and aloft set the royal
&c — At 4^h 16' 32" the Longitude was
found by obs^d Distance of Sun & Moon to
be 54° 20' West of Greenwich —

Middle light winds with occasional
squalls of rain, and a heavy rolling swell
from NW. —

The forenoon was almost calm
hauling up the mainsail, lowering the trisail
took in the studding sails &c —

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
ESE —	86	32.9	79.5	94 miles	32° 20'	32° 23'	55° 13'		53° 12' W	1 point W	

H. K. F. Courses. Winds. Lee-way. Air. Water.	Occurrences, the 29 th day of July 1830										
1											
2			SE by E	SSW							
3											
4			"	"							
5											
6			"	"							
7											
8			"	"							
9											
10			"	"							
11											
12			"	"							
1											
2			"	"							
3											
4			"	"							
5											
6			"	"							
7											
8			"	"							
9											
10			"	"							
11											
12			"	"							

Light airs & calm, passed a large
piece of lumber apparently a part of
the wreck of some vessel —

The night was almost calm
with a heavy swell from the NW.

Later the same, a light air
from SSW —

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SE by E 3/4 E	32	13.7	28.9	34 miles	32° 09'	32° 09'	54° 39'		52° 38'	3/4 of a pt.	

B. Mary Ann from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 30 th day of July 1830
1			SE by E	SW by W				Light air & calm, with a heavy Western swell - The people employed in making rigging &c
2								
3								
4			"	"				
5			"	"				
6			"	"				
7			"	"				
8			"	"				
9			"	"				
10			"	Calm				The night was fine but without sufficient wind at times to give the vessel Steady way -
11			"	"				
12			"	"				
1			"	W by S				This morning a light breeze sprang up from W. by S. & the lower steering sail and we continued to go along 2 1/2 to 3 knots during the remainder of the 24 hours -
2			"	"				
3			"	"				
4			"	"				
5			"	"				
6			"	"				
7			"	"				
8			"	"				
9			"	"				
10			"	"				adanced
11			"	"				
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
ESE -	45	17.2	41.6	49 miles	31° 52'	31° 53'	53° 50'	---	51° 49'	1/4 of a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 31 st day of July 1830
1			SE by E	W by S				These 24 hours like those last past were only remarkable for a light Westerly wind, attended during the evening with vivid and frequent flashes of heat lightning -
2								
3								
4			"	"				
5			"	"				
6			"	"				
7			"	"				
8			"	"				
9			"	"				
10			"	"				Middle the same
11			"	"				
12			"	"				
1			"	"				Latter part very warm, but the breeze rather stronger from the same quarter
2			"	"				
3			"	"				
4			"	"				
5			"	"				
6			"	"				
7			"	"				
8			"	"				
9			"	"				
10			"	"				adanced
11			"	"				
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
ESE -	71	27.2	65.6	77 miles	31° 26'	31° 24'	52° 33'	---	50° 32'	1/4 of a point	

B. Mary Ann from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 1 st day of August 1830
1								
2			SE by E	N.W.W				
3								
4			"	"				A Continuation of the light, westerly air of yesterday, the Breeze going per hour 2 1/2 & 3 knots - Immense fields of Gulf weed & many flying fish
5								
6			"	"				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				The night fine,
1								
2			"	"				
3								
4			"	"				
5								This morning the wind being slightly after us set both topmasts & P. E. steering sails aft - hauled down the trisail, & set the other lower Studding sail on the larboard side -
6			"	"				
7								
8			"	"				
9								
10			"	"				
11								
12			"	"				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
SE by E 1/2 E	41	30.4	64.2	45 miles	30° 57'	30° 56'	51° 18'	~~~~~	49° 17'	3/4 of a pt.	~~~~~

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 2 ^d day of August 1830.
1								
2			SE by E	N.W				
3								
4			"	"				The light air from the W. N.W. hauled during the afternoon as far as N. N.W. and the heavens had every appearance of giving us the long wished for wind, but we were disappointed - At 8 ^h 05 ^m 27 ^s in the evening observed the Distance of the Moon from the Star Antares - Longitude deduced from the Observation 46° 34' 30" W
5								
6			"	N. N.W.				
7								
8			"	"				
9								
10			"	"				
11								
12			"	N. N.W.				Minute & latter parts the same light air varying from S.W. to N. N.W. with a heavy ground swell from N.W. -
1								
2			"	"				
3								
4			"	"				
5								
6			"	"				
7								
8			"	S.W.				
9								
10			"	"				
11								
12			"	N.W.				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
E.S.E.	61	23.3	56.4	66 miles	30° 33'	30° 34'	50° 12'			1 point W	

U.S. Navy from *Virginia* towards *Rio de Janeiro*

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 3 ^d day of August 1830
1			SE ½ E	WSW				<p>Calms & light breezes from the N. S. W. distinguish the commencement of the day - at 7^h 31' 15" per watch in the evening by a dist. observed between the Moon & Star Antares the Longitude was found to be 47° 05' 00" W. a considerable error in the Time occasioned the enormous result of last night's Observation</p> <p>Meanwhile, the wind hauled to the southerly but without increasing -</p> <p>During the latter part of the morning water, and forenoon we had a light air from S. E. & S. S. E. took in steering sails, braced the yards, lowered the Tacks & hauled off the sheets -</p> <p style="text-align: right;">acquired</p>
2								
3								
4			"	"				
5								
6			"	"				
7								
8			"	S. W.				
9								
10			"	"				
11			SE ½ E	South				
12								
1								
2			"	"				
3								
4			"					
5			SE ½ E ½ S					
6								
7			SE ½ E	Varied				
8								
9			SE ½ W					
10								
11								
12			SE ½ E	SE				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
SE ½ E	40	0.7	40.	47 miles	30° 36'	30° 36'	49° 25'	—	46° 35'	1 point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 4 th day of August 1830
1								<p>Another tedious & calm day - with occasionally a light air from S. E. & S. -</p> <p>At 7^h 37' 11" per watch this evening, by observation of the Moon & Star Antares, the Long. was found to be 46° 28' 45" West of Greenwich -</p> <p>The night was only remarkable for little wind and a fine clear full moon</p> <p>This morning saw a heavy ship passing across our wake standing to the N. E. apparently an Indiaman -</p> <p>At 12 M. the wind hauled as off to S. E. tacked to the southerly</p>
2								
3								
4								
5								
6								
7								
8								
9								
10			from	from				
11			E ½ S	S ½ E				
12			SE	SE				
1								
2			N ½ E	E ½ S				
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
N ½ E	47	29.8	36.3	42 miles	31° 06'	31° 06'	48° 43'	—	45° 56' 45"	1 point	

B. Mary Ann from *Virginia* towards *Rio de Janeiro*

H. K. F. Courses. Winds. Lee-way. Air. Water. Occurrences, the 5th day of August - 1830,

1									<p>~ This day comes in like the one last past with a very light air of wind from S by E & ESE - The ship mentioned yesterday still in light standing on the wind to the N.E. -</p> <p>~ At 8.45.05 in the evening got an Obs. of the Moon & Antares, Longitude deduced therefrom was 46° 10' 45" W differing a few minutes from the result of last night's Distance -</p> <p>~ During the night and forenoon although the wind still continued light it veered to East & E by N per compass, permitting us to come up SSE & S by E. -</p>
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9									
10			From	From					
11									
12			S by W	SE by E					
1			No	No					
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4			SE by S	E by N					
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
SSE & E	51	45.	24.	28 miles	30° 21'	30° 22'	48° 15'	~~~~~	45° 28' 45"	3/4 of a pt.	

H. K. F. Courses. Winds. Lee-way. Air. Water. Occurrences, the 6th day of August 1830,

1									<p>~ The wind continued to veer during the afternoon & evening & at 9 o'clock we set the fore & m. Studding sail, the swell however being heavy from S.E. the Brig made but little headway through the water</p> <p>~ Moderate fine, Wind N.E. by E -</p> <p>~ Latter pleasant with a fresh breeze from N.E. Set the lower & S. S. Studding sails - during the forenoon the head beat sea having in some measure subsided, we went along 5 1/2 knots per Log - Saw a Brig to the westward - also passed a spar adrift covered with clams. Apparently a long time at sea -</p> <p>~</p>
2			SE by S	E by W					
3									
4			S.E.	E.N.E.					
5									
6			"	"					
7									
8			SE & S	E.N.E. & E.					
9									
10			SE -	N.E. & E.					
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2			"	N.E.					
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4			"	"					
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6			"	"					
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8			"	"					
9									
10			"	"					
11									
12			"	"					

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
S 50° E	90	57.9	48.9	79 miles	29° 24'	29° 24'	46° 56'	~~~~~	44° 09' 45"	3/4 of a pt.	

B. May-Aun from *Virginia* towards *Rio de Janeiro*

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 7 th day of August 1830
1								
2			S.E.	N.E.				
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4			"					
5								
6			"					
7								
8			"					
9								
10			"					
11								
12			"					
1								
2			"					
3								
4			SE & S.	variable				
5								
6			SS E -	"				
7								
8			SE & S	"				
9								
10			"					
11								
12			SE,	E & E,				

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SE & E	121	7.8	93.5	106 miles	28° 07'	28° 06'	45° 10'	—		3/4 of a pt	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 8 th day of August 1830
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer Dist.
SE & E	80	55.1	60.8	68 miles	27° 11'	27° 11'	44° 02'	—	42° 09' 15"	3/4 of a pt	

B. Mary Ann from *Virginia* towards *P. de Janeiro*

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 9 th day of August 1830
1								<p>Immediately after 12 M. a Breeze sprung up from N.S.W. and continued light until 4 o'clock, set the Studding Sails &c -</p> <p>At 4 the wind hauled in a Squall to the S.S.W. took in the Storing Sails, royal & Flying Jib</p> <p>During the night there was a light breeze from S.W. which as the Sun came near the horizon veered to the Eastward of S.</p> <p>At 8^h 10' 40" this morning an Obs. distance of the Sun & Moon gave the Long. 41° 02' 45" West of Greenwich -</p> <p>Later light air from S.E. with an excessively warm Sun</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
S 89° E.	63	1.01	63.	70 miles	27° 10'	27° 10'	42° 52'	~~~~~	40° 52' 45"	3/4 of a pt.	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 10 th day of August 1830
1								<p>The wind during the afternoon continued to haul to the Eastward and at 4 P.M. obliged us to tack to the Southward</p> <p>The night was cloudy with an occasional light breeze from East to E.N.E.</p> <p>This morning saw a Brig to the Eastward standing on the Starboard tack to the North -</p> <p>At 9^h 31' 44" the Angular of the Sun & Moon gave the Longitude 40° 11' 45" West of Greenwich -</p> <p>Later the wind rather standing from E.N.E. by Compass</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
S 53° E	50	30.7	39.8	44 miles	26° 39'	26° 39'	42° 08'	~~~~~	40° 04' 45"	3/4 of a pt.	

13. May Ann from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 11 th day of August 1830
1								
2								
3								A steady breeze & heavy swell from E. N. E. bring in the 24 hours
4								
5								
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7								
8								Took in the Royals & as the wind occasionally veered to N. E. set the Topmast & Top Gallant Steering Sails and were as often obliged to take them in -
9								
10								
11								
12								
1								Middle the same
2								
3								
4								
5								
6								This morning at 8.44' 48" the Sun & Moon's Obs ^d Dist. gave the Long. 38° 48' 00" -
7								
8								
9								
10								
11								Saw a Ship to windward standing on the wind to the Northward -
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
SE ¼ E.	106	63.1	85.1	95 miles	25° 36'	25° 37'	40° 23'	~~~~~	38° 31' 00"	¾ of a pt	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 12 th day of August 1830
1								
2								
3								A continuation of the E. N. E. Wind with a heavy swell from the same quarter distinguishes the Commencement of this day -
4								
5								
6								
7								
8								The night was pleasant and the breeze freshened during the middle watch
9								
10								
11								
12								
1								This morning at 9° 19' 04" the Obs ^d Dist of the ☉ & ☾ gave the Longitude 37° 17' 15" and another set of Observations taken at 11 ^h 15 ^m of made it 37° 11' 45" West of Greenwich -
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3								
4								
5								
6								Latter part fine -
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8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer Dist.
S 51° E	103	64.8	80.	88 miles	24° 32'	24° 33'	38° 55'	~~~~~	37° 09' 15"	¾ of a pt	

B. Weyman from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 13 th day of August 1830
1								<p>At 2 this afternoon the wind which had before been from the E. N. E. shifted suddenly to E. S. E. and continued from that point until 10 o'clock when it veered back to East</p> <p>Middle the same, wind at E & E by N with a heavy head beat sea - took in the logs</p> <p>Later strong breeze from E by N howled over the flying deck - The heavens so much obscured that we got no Lunar Obs. this forenoon - Flying clouds with occasional light showers of rain</p>
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4					1/2			
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9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SS E	70.	64.7	26.8	29 miles	23° 28'	23° 29	38° 26'		36° 40' 15"	3/4 of a pt	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 14 th day of August 1830
1								<p>The wind increased as the sun went down and was accompanied by considerable rain and a tremendous heavy head beat sea - Took in the fore & main top Gallant sails - saw a Brig standing to the S. W. -</p> <p>Middle the same the wind from E and E by N continuing to blow almost a gale</p> <p>This forenoon a set of Lunar Observ^s taken at 11 38' 42" gave the Longitude 36° 40' W</p> <p>At 12 M. the wind veering to E. S. E. tacked ship to the N. E.</p>
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12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SS E	70	64.7	26.8	29 miles	22° 24	22° 26	37° 57'		36° 38' 00"	3/4 of a pt	

B. Maryland from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 15 th day of August 1830
1								Strong Gale from E.S.E. at dusk double reefed the fore & long le reef. the main topsail & furler the main sail
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7								
8								
9								
10								Middle the same the wind varying from East to E.S.E by compass
11								
12								
1								Later, the same strong breeze & heavy seas
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3								
4								
5								
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8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
N 8 1/2 E	7 1/2	71.8	21.8	23 miles	23° 38'	23° 39'	37° 34'	---	3 1/2° 15'	3/4 of a pt	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 16 th day of August 1830
1								The Strong Easterly wind still continues to blow attended with a very heavy swell from the same quarter
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10								The night was very dark and the weather unpleasant
11								
12								
1								Later rather more moderate the wind veering to the North of East - Although the Course has been per compass N 8 1/2 E during these 24 hours, the diff of Lat by Obs. has considerably exceeded the distance per Log. and by the bearing of the Polar Star, the Var. must be more than we have hitherto allowed
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	W Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer Dist.
N 10th	7 1/2	76	---	---	24° 55'	24° 55'	37° 34'	---	3 1/2° 15' 00"	1 point	

Brig Mary Ann from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 17 th day of August 1830.
1								
2								
3								
4								At 12 M. the wind veering to E. N. E. per Compass tacked ship to the S. E. shook the reefs out of the Topsails, set the Mainail, Main Top Gallant, Sail -
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6								
7								
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10								
11								Middles Squally with a strong breeze from N. E. by E with a heavy head beat Steer- ing S. E. by Compass -
12								
1								
2								
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4								
5								Latter fine set the F. T. G. Sail, Flying Jib &c - Just before 12 o'clock the wind headed us off to S. S. E. for a short time but it soon hauled back -
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
S 58° E.	107.56.7	90.7	99 miles	23° 58'	23° 58'	35° 55'	---	34° 36'	1 1/4 points		

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 18 th day of August 1830.
1								
2								
3								
4								The wind still continues from E. N. E. & N. E. by E set the fore Top Mast Studding Sail - A large ship & a Brig passed under our lee this afternoon standing to the North on the wind -
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11								The night was fine & calm near morning when we had some light squalls attended with rain -
12								
1								
2								
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4								
5								Latter fine with occasional squalls Saw a Brig to the windward, standing on the Starboard Tack - We then continue to steer S. E. by Compass -
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
S 55° E.	134 77. 109.3	119 miles	22° 41'	22° 41'	33° 56'	---	32° 37'	1 point			

B. Baryanes from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 19 th day of August 1830
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A fine breeze from N.E. by E & E.N.E.
Changed the course to S.E. by S per Compass -
Saw a sail to the leeward standing to the
North -

The night was squally and we
were several times obliged to take in the
Royals, haul down the S.M. Steering sail &
Flying Jib & clew up the Top & Sails -

Later the same the wind bearing
in the squalls as far as E by S -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
S 43° E	130	95.1	88.7	46 miles	21° 06'	21° 05'	32° 20'	---	31° 01'	1 point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 20 th day of August 1830
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The afternoon & evening were
squally with a fresh breeze varying from
S.E. to East -

At 11 o'clock P.M. the wind hauled
to E by S. took in the Steering sail and brace
up Sharp -

The forenoon was almost calm
with an occasional light breeze from S.E.
at 12 o'clock the wind heading us off to
S.W. by S tacked to the Eastward -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
SSE 1/2 E	79	64.7	37.2	40 miles	19° 55'	19° 55'	31° 40'	---	30° 21'	1 point	

B. May Arr from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 21 st day of August 1830
1								<p>The Afternoon was calm until nearly 4 o'clock during which time the people were employed in breaking out for water &c — At 4 the wind breezed from N.E. tacked & set the studding sails steering per compass S.E. by S —</p> <p>The middle watch was again almost calm — At 6 in the morning the wind again freshened from the same point</p> <p>At 9 saw a large ship which passed across our bow standing to the S.W.</p> <p>Ends with all sail set steering S.S.E.</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
SE by S.	60	49.9	33.3	3 1/2 miles	19° 05'	19° 05'	31° 04'	—	29° 45'	1 point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 22 ^d day of August 18
1								<p>In the first part of these 24 hours were cloudy and the wind steady from N.E. by E —</p> <p>At 6 kept off S.E. — per compass</p> <p>Wider cloudy the wind during the night was light with a thick hazy atmosphere —</p> <p>Satan pleasing half an hour after 12 Meridian two sets of Lunar Observations taken within a short time of each other gave the Long. 29° 37' 37" West of Greenwich —</p> <p>Ends with light air and pleasant</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
SS E 1/4 E	99	89.5	43.3	45 miles	17° 36'	17° 36'	30° 19'	—	29° 37' 37"	1 point	

B. Bay Area from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 23 ^d day of August 1830
1								<p>Comes in with light air from N E & N E by N - but early in the evening veered to E N E -</p> <p>Middle Pleasant, the wind hauling still more to the Eastward, took in the Lower Studding Sail & braced the yards -</p> <p>At 3 this morning the wind veered from the Eastward and we continued to go 5 1/2 knts - with the F. S. Steering sail out during the remainder of the 24 hours - The mean of two sets of Distances, the first taken at 11^h 23^m 30^s - the second at 6^h 05^m P.M. - worked by Bowditch's & Lyons' methods gave the Longitude 29° 19' 03" West of Greenwich</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
S 4 1/2 E	96	91.9	27.9	29 miles	16° 04'	16° 04'	29° 50'	~~~~~	29° 19' 03"	1 point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 24 th day of August 18
1								<p>During the first 2 hours of this day the wind was variable from E by N to E S E - with frequent squalls of rain -</p> <p>Middle light air from E by N & E N E. took in & set the Studding several times in the course of the night as the wind veered and hauled several points</p> <p>Later the same - the Heavens were obscured all the morning and we were consequently prevented from getting an Obs of the sun -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer Dist.
S 21° E	88	82.1	31.2	33 miles	14° 42'	14° 42'	29° 17'	~~~~~	28° 46' 03"	1 point	

B. Maynard from *Virginia* towards *Rio de Janeiro*

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 25 th day of August 1830
1								<p>The afternoon was almost calm but soon after sunset the wind veered from E.N.E. and continued from that point during the night or until 2 o'clock. A Distance between the Sun & Moon gave the Long when worked by Lyons' method. $28^{\circ}46'45''$ and by Bowditch $28^{\circ}21'15''$ At $8^h06'37''$ in the evening an Obs of the δ^* Aquila gave the Long $28'$ farther to the Eastward</p> <p>The morning was calm with occasional light puffs of wind from every point of the Compass only excepted - a heavy swell from N.E., attended with continued & copious showers of rain</p> <p>Latter took in the Stern Boat in order to scrape & paint her</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
$S20^{\circ}E$	70	65.1	24.7	25 miles	$13^{\circ}37'$	$13^{\circ}38'$	$28^{\circ}52'$	—	$28^{\circ}21'03''$	1/point	—

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 26 th day of August 1830.
1								<p>A set of Obs. taken at $0.18.11''$ by Lyons' Table gave the Long. $28^{\circ}22'15''$ - & by Bowditch's method - $28^{\circ}13'30''$ - Another Distance Obs. at $2^h18'16''$ gave $28^{\circ}22'30''$ - The afternoon was calm and the clouds dispersing a little after sunset enabled us to get a Distance between the δ^* Aquila which at $8.34.36''$ gave the Longitude $28^{\circ}02'15''$ Meth -</p> <p>The night was cloudy with occasional light air from E.N.E.</p> <p>This forenoon was almost calm and the heat of the Sun intense notwithstanding he was obscured by clouds nearly the whole time</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
$SSE\frac{1}{2}E$	46	40.6	21.7	22 miles	$12^{\circ}57'$	$12^{\circ}58'$	$28^{\circ}30'$	—	$27^{\circ}59'03''$	1/point	—

B. May and from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 27 th day of August 1830
1								<p>The afternoon was completely calm - at 4^h 24^m 16^s a set of 66^o Distance 02 gave the Ry Rounditch 27° 28' 15" - by Syons 27° 31' 30" - Lat 6° 47' 55" in the evening the 66^o Ang. Out of 3* Aquila the latter being to the Eastward of the former or on the contrary side from the Sun, made it by Rounditch 27° 03' or - Syons 27° 00' 00"</p> <p>At 10 passed within musquet shot of a Bark standing to the north - the wind blew from S.W. after sunset and we con^d to go 2 knots SSE through the night</p> <p>This morning saw a Bark to the Eastward standing to the Southward and a Brig to the Westward standing to the north - Ends with calm weather & Torment of rain</p> <p>3 mean of 3 Observations</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
SS E 1/2 E	29	25.6	13.7	14 miles	12° 32'	12° 32'	28° 16'	---	27° 15' 41"	1 point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 28 th day of August 1830
1								<p>Calm as usual - An Obs^d Disc of 00 centres at 3^h 53' 04" gave the Long. 26° 39' 30" but as the weather was hazy and the Moon's disk rather imperfectly seen though the Telescope I have not corrected the Long. below by this Obs. -</p> <p>Middle rising with a light breeze from the Westward with lightning in the same quarter - After 8 o'clock the wind increased from N. S. W. took in the topgals, fore T. G. sail & flying Jib & soon after carrying away the mainmast stay, took in the Jib, Main sail & Main T. G. sail - At 10 were obliged to double reef the fore & single reef the main Top sail - Ends with a gale of wind from W by S. with rain - saw the Bark & Brig men. yesterday</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
SE 1/2 E	44	41.	15.4	16 miles	11° 51'	no Obs,	28° 00'	---	26° 59' 41"	1 point	

B. Many Area from Virginia towards Rio Janeiro											
H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 31 st day of August 1830			
1								<p>~ Strong breezes from N.S.W. with almost continual rain and a heavy sea</p> <p>~ The night was unpleasant and the wind veered from N.S.W. to West and back several times ~ At 4 o'clock the wind & sea increased so much that we were obliged to haul up the mainsail & reef the Topsails & Trisail ~</p> <p>~ Latter more moderate the wind again hauled as far as S.W. permitting us to lay it no better than SSE per compass ~ The Lat. by Obs. was 9 miles less than the course & distance given</p>			
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
SSE	103	95.2	39.4	40 miles	7° 43'	7° 43'	25° 51'	—	24° 56' 41"	1 point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 1 st day of September 1830			
1								<p>~ Shook out the reefs & set the ^{top} G. Sails under the Flying Jib which was split the night before last in order to repair him, the wind continued to veer to the Southward ~ At 6 however it again hauled to the Westward and varied during the night from N.W. to S.W. with frequent heavy squalls accompanied by incessant rain ~ Saw a sail to the Eastward.</p> <p>~ The morning was the same, sometimes almost calm and at others a light breeze from SSE, in a few moments afterwards a squall from the Westward would again shift it to that quarter, a heavy swell constantly rolling from the Southward ~ Tide rips also gave evidence of a strong current which probably sets to the E. by N. water having lost so much time ~ No Obs. ☉</p>			
2					1/2						
3					"						
4					"						
5					"						
6					"						
7					"						
8					"						
9					"						
10					"						
11					"						
12					"						

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer Dist.
S 40° E	69	52.4	44.5	45 miles	6° 51'	No Obs.	25° 06'	—	24° 11' 41"	1 point	

Big May Ann from Virginia & towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 2 ^d day of September 1830
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Squalls of wind & rain from N.W. & W. & W.S.W. usher in these 24 hours with a heavy sea from the Southward bounded the main Tack & hauled up the Main a half a sea time in the course of the afternoon

The night was almost calm with occasional showers of rain

This morning caught a Porpoise, saw a large full rigged Brig standing on the wind to the Westward - The Latitude this day by Obs. differs more than 20 miles from what the Log gives even allowing 2 points to the Eastward for Sea swell & variation & I conclude there is more of the latter than here imagined - The thick weather has hitherto prevented our getting a Lunar Obs. for several days

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
ESE 1/2 E	31	9.	29.7	30.	6° 42'	6° 42'	24° 36'	—	23° 46' 45"	1 1/2 points	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 3 ^d day of Sept. 1830
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The weather this day is more pleasant and the wind veering to the South at 2 P.M. tacked to the Westward heady W by S. - At 8° 05' 35" on Obs Dist of the 3^d Antares gave the Longitude by Bowditch's method 21° 51' & by Lyons' 21° 44' 30" - By the Obs^d Time of the commencement of Total Darkness, or complete obscuring of the Moon's surface, which was this night Eclipsed - the Longitude at 8° 20' 47" was found to be 21° 44' 30" West - We have consequently had a strong current setting to the Eastward for the last 10 days - The night was pleasant and ~~the~~ wind light from S by W & S.W for compass

Later in the evening the Brig mentioned yesterday still in sight off our weather bow standing on the wind on the larboard Tack -

Advised from Eclipse & Obs

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
W by N 1/2 W	33	9.6	31.6	32 miles	6° 32'	6° 33'	25° 08'	—	22° 10' 00"	1 point	

B. Mayagua from Virginia towards Rio Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 4 th day of Sept. 1830
1								<p>— Light breeze from S.W. & S.W. by W. Ship standing to the Westward. — The Brig mentioned yesterday still in sight.</p> <p>— At 10 in the evening it became squally with frequent calms. The wind with rain coming on moment from the W. N. W. then from S.E. to S.W. with Thunder & Lightning.</p> <p>— Towards morning however it cleared and became completely calm until 10 o'clock when a light breeze sprang up from West & W.S.W. — The Lat. by Obs. was precisely what it was yesterday though by Log we have made 16 miles to the Southward.</p>
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H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 5 th day of Sept - 1830
1								<p>The Afternoon was pleasant until about 4 when a Squall from the W. N. W. obliged us to tack to the Southward as we had previously been standing on the larboard tack - from 6 to 8 it was almost Calm and getting aback heading S.E. paid her off to the Westward</p> <p>The night was squally. and in the course of it tacked several times -</p> <p>At 4 this morning the Ob^c Angelen Captain of the D^y "Addabarou", gave the Long. 21° 51' West -</p> <p>Later a steady Breeze from S.W. saw the Brig mentioned yesterday standing to the S.E. - The Difference of Lat. by Log. is to day 19 miles more than that given by Obs. I have therefore allowed 1 knot current N.E. -</p>
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Mary Ann from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 6 th day of Sept. 1830			
1								<p>A strong and steady breeze from SW. with a heavy head beat sea - The Brig in company tacked to the W. & W. -</p> <p>The night was clear and without rain a most uncommon circumstance of late - At 2 this morning a large ship passed us to windward standing on the wind to the S.E. and as she sailed remarkably fast she was at daylight at least 10 miles ahead of us - At 4 & 4.08 & 5.08.06 Obs^d the angular distances of the Stars Fomalhaut & Aldebaran from the S the former being to the W. & the latter to the E - the measure of the Song. deduced therefrom was 21° 01' 26" - The wind this forenoon still steady from S.W. saw a sail astern probably the Brig of yesterday -</p>			
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SE & S.	72	55.7	45.7	46 miles	5° 11'	5° 12'	24° 01'	—	20° 46' 26"	1 1/4 points	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 7 th day of Sept. 1830			
1								<p>A Continuation of the strong S.W. wind and heavy swell distinguish the commencement of this day -</p> <p>The night was pleasant with flying clouds &c -</p> <p>Ends with fine weather the wind gradually veering to the Southward -</p>			
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SE & E	83	55.7	61.5	62 miles	4° 16'	4° 15'	22° 59'	—	19° 44' 26"	1 1/4 points	538° W 2070 miles

Brig *Mayanne* from *Virginia* towards *Dee de Janeiro*

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 8 th day of Sept. 1830
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Strong Breeze from S.W by S and a heavy sea with flying clouds - the former however veering to the Southward, at 5 o'clock ship to the Westward - an amplitude at Sunset gave the Variation 16' West

The night was pleasant and we continued to go W by S & N.S.W -

Later from an Obs Distance of the oc gave the Long. at 8° 8' 48" - 19° 31' 45" worked by Lyons' Method & 19° 32' 30" by Bowditch

Ended with a S by E Breeze -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
SSW ¼ W	44	37.7	22.5	23 miles	3° 37'	3° 37'	23° 22'	---	19° 38' 00"	16' West	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 9 th day of Sept 1830
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"Wind from South per Compass with a heavy swell -

Moderate pleasantly with light air -

At 7.52' 13" - 8° 19' 38" & 8° 26' 00" - Three Obs Distances of oc gave as a mean, the Long. 20° 15' 30" West of Greenwich

Later the wind again veered so as to knock us off West per Compass and freshened -

The difference of Lat. by Obs seems to prove that there is either a southerly current here or more Variation than we are aware of -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer Dist.
SW -	78	55.2	55.2	55 miles	2° 42'	2° 41'	20° 17'	---	20° 33' 30"		

B. Mayland from *Virginia* towards *Sic de Saurinos*

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 10 th day of Sept ^r 1830.
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12								

Fresh breezes from South & S by W per compass with a continuation of the tremendous heavy head beat sea ---

The night was pleasantly but the wind increasing obliged us to take in the Flying Sails ---

Latitude the same --- At 7^h 54' 45" - 9^h 03' 08" & 11 35' 45" the Obs^d Angular Distance of \odot gave as a mean the Long. 22° 22' 48" West of Greenwich ---

Ends with strong breezes from S by E & South

deduced from last Obs^d

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
S 71° W	94	30.6	88.9	89 miles	3° 10'	2° 11'	25° 46'	---	22° 28' 48"	1 point	---

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 11 th day of Septem ^r 1830.
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12								

When 24 hours come in with as much wind and sea as we can carry our Top Gallant sails to --- but unfortunately from South & S by E ---

The night as usual was clear, during the course of it the wind sometimes veered as far as S S E allowing us to come up S.W.

Latitude the same --- At 8^h 46' 32" & 11^h 36' 35" two sets of Obs^d Distances of \odot gave as a mean --- 23° 54' 37" West of Greenwich ---

Our diff of Lat. by Obs^d and estimated distance run, gives us only a N. S. W. course although the Log, allowing 1 point W. variation gives S.W. 1/4 W --- The diff Long. by Obs^d also seems to denote a westerly course

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
N S W	84	32.2	77.6	78 miles	1.39'	1° 35'	27° 04'	---	24° 01' 37"		

B. May leave from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 12 th day of Sept. 1830
1								
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11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
SSW ½ W	78.	68.8	36.8	37 miles	0° 29'	0° 30'	27° 41'	—	24° 48' 45"	1 point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 13 th day of Sept ^r 1830.
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12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
SSW	119	109.9	45.5	46 miles	1°20'S	1°20'	28°24'	~~~~~	25°26'		

B. May and from ⁱⁿ Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 14 th day of Sept- 1830
1								
2								
3								
4								
5								
6						78°	78°	
7								
8								
9								
10								
11								
12						78°	78°	
1								
2								
3								
4								
5								
6						77°	78°	
7								
8								
9								
10								
11								
12						80°	79°	

Strong Breezes and a heavy sea from SE & SE by E — At 4 saw a large ship to the leeward standing on the wind to the SSW. — At sunset an amplitude gave the variation 15° West —

Middle the same took in the Fore top Gallant sail —

Latter a continuation of the strong breeze — the difference of latitude by Obs. is this day considerably more than the dist. run by the Log

2 degrees from
yesterdays Obs.

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SSW	139	128.4	53.2	53 miles	3° 28'	3° 29'	29° 20'	—	26° 19'	1 1/4 points	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 15 th day of Sept: 1830
1								
2								
3								
4								
5								
6						78°	78°	
7								
8								
9								
10								
11								
12						78°	78°	
1								
2								
3								
4								
5								
6						77°	78°	
7								
8								
9								
10								
11								
12						80°	77°	

Commences with a strong gale from SE to SSE accompanied by a heavy sea from the same quarter took in the Fore Top Gallant sail —

Middle the same — during the night the water was observed to emit much light at times

The latter part of the 24 hours the wind increased and was steady from SE by S by compass but from the difference of Lat. by Obs. I conclude there must be more westerly variation here than is commonly allowed —

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SSW	136.	125.6	52.	52 miles	5° 35'	5° 35'	30° 12'		27° 11'	1 1/2 points	

13. Mary Ann from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 16 th day of Sept 1830
1								
2								
3								
4								
5								
6						78°	79°	The Strong Trade wind which almost merit the appellation of Gale, still continues with a tremendous sea from SE to SSE-
7								
8								
9								
10								
11						78°	78°	Made the Tropic at 12 o'clock took in the Main Top Gallant Sail
12								
1								
2								
3								
4								
5								
6						77°	78°	Later strong breezes and flying clouds - Again set the M.T.G.S.
7								
8								
9								
10								
11								
12						80°	79°	

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
SSW	145	134.	55.5	56 miles	7° 49'	7° 50'	31° 08'	---	28° 07'	1/2 point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 17 th day of September 1830
1								
2								
3								
4								
5								
6						78°	78°	Strong Gale from SE with a very heavy sea distinguish the commencement of these 24 hours
7								
8								
9								
10								
11								
12						77°	78°	The night was squally and we were obliged to take in the Main Top Gallant Sail & haul up the mainsail several times during the first & middle watches -
1								
2								
3								
4								
5								
6						78°	78°	Later almost Calm with occasional squalls of wind & rain from SSE & South
7								
8								
9								
10								
11								
12						79°	79°	Just before 12 M. the weather cleared and wind veered back to SE -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer Dist.
SSW 1/4 W	123	111.2	52.6	53 miles	9° 41'	9° 42'	32° 01'	---	29° 00'	1/2 point W.	

Brig Mary Ann from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 18 th day of September 1830
1								
2								Pleasant weather and light breeze from
3								
4								SE. — At sunset an Amplitude gave
5								
6						78° 78°		the Variation 8° Westward —
7								
8								
9								
10								The night was fine at 12 set the Royal
11								
12						78° 79°		& Flying Jib
1								
2								
3								
4								Later fine the wind veered a little more
5								
6						76° 78°		to the Eastward —
7								
8								
9								
10								
11								
12						78° 78°		

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
S.S.W.	49	91.5	37.9	38 miles	11° 14'	11° 14'	32° 39'	—	29° 35'	8° —	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 19 th day of September 1830
1								
2								The 20 hours came in with pleasant
3								weather and a leading breeze from SE — at 12
4								
5								
6						76° 78°		Mr. kept off S.W. by S the Compass and set the F.
7								S. Steering Sail, but at 5 the wind veering more
8								to the Southward hauled him down again —
9								
10								
11								
12						75° 78°		Middle pleasant — Wind S.E. by S
1								
2								SE —
3								
4								Later the same found by Obs. that
5								
6						74° 77°		we had made much more diff. Lat. by Obs.
7								than the Log. gives him —
8								
9								
10								
11								
12						78° 78°		

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SSW 3/4 W	119	102.1	61.2	43 miles	12° 56'	12° 56'	33° 42'	—	30° 41'	8° Westing	

Brig Mary Ann from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 20 th day of Sept 1830
1								
2								
3								
4								
5								
6						76°	78°	Beautiful weather and a fine breeze from SE & SE by S - - - - -
7								
8								
9								
10								
11								
12						75°	76°	Continued to go along shore for hours during the course of it - - - - -
1								
2								
3								
4								
5								
6						74°	76°	Since the same the wind hauling a little more to the Eastward, set the Topmast & Top Gallant Steering sails fore & aft - - - - -
7								
8								
9								
10								
11								
12						80°	77°	The diff. lat by Obs. has again considerably exceeded that by log, allowing for a point Westerly variation - - - - -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
SSW 1/4 W	128	112.9	60.3	62 miles	14° 49'	14° 49'	34° 44'	—	31° 43'	1/4 apt	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 21 st day of Sept 1830
1								
2								
3								
4								
5								
6						77°	76°	Light air & variable from SE by E to SSE set the Studding sails and took them in several times in the course of the afternoon & night, Variation by Amplitude 4° W - - - - -
7								
8								
9								
10								
11								
12						73°	75°	Middle Squalls of rain with wind from SE to S.E.
1								
2								
3								
4								
5								
6						72°	75°	Since more pleasant kept off 88 by Compass - - - - -
7								
8								
9								
10								
11								
12						78°	76°	

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer Dist.
SW 1/4 S	86	71.5	47.8	48 miles	16° 01'	16° 01'	35° 33'	—	32° 32'	4° 58'	

Big Way from Virginia towards Rio de Janeiro

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 24 th day of Sept. 1830
1								<p>— Fine weather and a moderate breeze which veered to N.E. at 4 o'clock, hoisted down the Trisail and set Topmast & T.S. Steering sails on both sides — At 6^h 45' 50" in the evening an Obs.^d distance of the \odot from * Fomalhaut gave the Long 36° 22' West — at sunset an amplitude gave the variation 2° West</p> <p>The night was fine and wind steady</p> <p>—</p> <p>— Latter pleasant wind from N.N.E. shifted over the Studoring sail</p> <p>The diff. of Lat & Long. by Obs. the past 24 hours were found to exceed the sum by Log and I have allowed 1/2 knot Current S.W. —</p>
2								
3								
4								
5								
6						78°	75°	
7								
8								
9								
10								
11								
12						74°	74°	

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
SW 1/2 S	116	89.7	73.6	78 miles	20° 01'	20° 01'	39° 00'	—	36° 33' 00"	2° —	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 25 th day of Sept. 1830
1								<p>A set of Lunar Obs.^d taken at 0^h 54' 53" gave the Long. 36° 35' 45" — Another set at 2^h 11' 20" — 36° 42' 15" West of Greenwich — Strong breeze from N.N.E. — at 7^h 09' 09" in the evening an Obs.^d Dist. of the moon & * Fomalhaut gave the Longitude 37° 22' 00" West —</p> <p>— This morning was cloudy and the atmosphere thick the wind veered to N.W. & increased so much as to oblige us to take in the royals & Top Gallant S. sails —</p> <p>— The diff. of Lat. by Obs. again exceeded that by Log more than 18 miles — allowed for Current S.W. — Saw a Frigate —</p>
2								
3								
4								
5								
6						76°	74°	
7								
8								
9								
10								
11								
12						74°	73°	

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer Dist.
S.W.	174	123.	123.	132 miles	22° 04'	22° 04'		—	38° 45'	none —	

Mary Ann from Virginia towards Rio de Janeiro

H. K. F. Courses. Winds. Lee-way. Air. Water. Occurrences, the 26th day of September 1830

1									The wind this afternoon veered to N. by W and was so strong as to oblige us to take in the Studding sails and fore top & sail -
2									
3									
4									
5									
6							74°	73°	Saw a Brig to the seaward standing to the westward - at 6 changed the course to West by Compass. -
7									
8									
9									
10									
11									The night was unpleasant weather thick and squally the wind gradually hauling to the westward -
12							75°	74°	
1									
2									
3									
4									This morning the wind was West still standing on the Starboard tack -
5							73°	74°	
6									
7									
8									
9									Saw two full rigged Brigs standing also to the W. - The current during the last 24 hours has set us 20 miles to the South -
10									
11									
12							75°	74°	

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
S 57° W	109	59.6	91.4	99 miles	23° 04'	23° 04'			deduced, 40° 24'	E 2°	

H. K. F. Courses. Winds. Lee-way. Air. Water. Occurrences, the 27th day of September 1830

1									The afternoon was squally with Thunder Lightning and rain, the sea high and wind variable from West to W.S.W. Saw another Brig standing to the South on the wind - the one mentioned this morning tacked soon after Meridian to the N.W. - At 6 tacked to the Northward until 12 midnight when we again tacked to the Southward - at 2 the wind veered suddenly to SW and caught us aback, wore round upon the Starboard tack laying up N.W. and continued to stand to the Westward during the remainder of the 24 hours -
2									
3									
4									
5									
6							72°	73°	The wind was strong this morning from SW but the weather clearer than it was yesterday, Saw a Ship off our lee Quarter standing in -
7									
8									
9									
10									
11									The wind was strong this morning from SW but the weather clearer than it was yesterday, Saw a Ship off our lee Quarter standing in -
12							72°	73°	
1									
2									
3									
4									The wind was strong this morning from SW but the weather clearer than it was yesterday, Saw a Ship off our lee Quarter standing in -
5									
6							71°	73°	
7									
8									
9									The wind was strong this morning from SW but the weather clearer than it was yesterday, Saw a Ship off our lee Quarter standing in -
10									
11									
12							72°	73°	

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
N 71° W	50	16.3	47.3	51 miles	22° 48'	22° 49'			41° 15'	3° E	

Brig Mary Ann from Virginia towards Rio de Janeiro.

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 28 th day of Sept. 1830
1								
2								
3								
4								
5								
6						70°	71°	Strong breezes and a high sea with clear weather - wind S.W. at 6 concluding we must be on Soundings have the lead found 35 fathoms coarse Yellow sand & shells
7								
8								
9								
10						70°	70°	a set of Lunar Obs. at 2 ^h 45 ^m or this afternoon gave the Long. 40° 35' 45"
11								
12						69°	68°	During the night made several tacks wind light from South to SSW - at 12 we were in 38 fathoms Green mud -
1								
2								
3								
4								At sunrise this morning saw Cape Frio bearing per compass N 58 1/4 W dist by Computation 45 miles - At 12 M. the Obs. Lat. was 22° 51' 30" - Cape Frio true bearing S 76° W (and taking its Long per Am Coast Pilot 41° 40" which agrees with yesterday's Obs) distant 35 miles
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						22° 51' 30"			41° 03' 00"		

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 29 th day of Sept. 1830
1								
2								
3								
4						74°	72°	The forenoon of this day had been calm but immediately after Mer. a breeze sprang up from S.E. - saw the high land of St John and several scattered Islands to the NE of Cape Frio - several sails also standing in - at 7 1/2 by this evening a good Obs. of the 3 Antares worked by Lyons & Bond gave the Longitude 41° 23' 15" West - Cape Frio bearing per compass N by N distant 18 miles, so that I conclude the Long. of that Cape is laid down erroneously on Blount's New Chart. - at 9 passed Cape Frio with a strong breeze from the Eastward, and by heaving the log every hour found at 4 this morning that we had made 41 miles at which time we saw the light on "Rara" Island off the harbor of Rio Janeiro, consequently if the distance from Cape Frio to the Sugar Loaf (59 miles) is correctly stated in the Coast Pilot we must have had at least a 2 knot current through the night
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer Dist.

from

towards

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the	day of	18
1								<p>Wednesday 29th Came to anchor off Fort Villagnon went on shore — Thursday 30th finding I could not sell my cargo to advantage took off a Long Bout load of water. Entered at the Custom house and commenced clearing out — Friday finished clearing, but so late in the afternoon as not to be able to get to sea — Saturday morning took my anchor and endeavoured to Tow out in company with 15 or 20 sail but the Tide turning in we were obliged again to Come too after getting down off "Santa Cruz".</p> <p>Oct 3rd Sunday morning at daylight four short were visited by the Resist boat and got under way with a light breeze off the land and a strong Ebb Tide — at 12 mer. the Sugar Loaf bore N W distant 10 miles —</p>		
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 4 th day of Oct. 1830
1								<p>— After getting outside the Islands Raca & Recondo the breeze hauled to the West. and freshened — at 4 the Sugar Loaf bore N by W dist. by Computation 30 miles — The night was squally took in the Light Sails — the wind variable from S.W. to South with rain —</p>
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								<p>This morning a Schooner which sailed in company with us bound to St Catharines, was about 1/2 a mile off our Starboard beam — at 8 the wind hauling to S.E. tacked to S.W. by S and continued to stand so during the remainder of the 24 hours Squalls of rain & wind</p>
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						24° 04'	42° 33'				

B. Mary Ann from Rio de Janeiro towards St Catharines

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 5 th day of October 1830
1								
2								
3								
4								
5								
6				SE				
7								
8								
9								
10								
11								
12				To				
1								
2								
3								
4								
5								
6				East				
7								
8				"				
9								
10				"				
11								
12				"				

The wind gradually veered to the S.E. and at 3 we were enabled to set the F. J. Studding Sail, saw the Schooner mentioned yesterday but dropt him very fast -
 Strong breeze and a heavy sea, saw 2 sail under one lee standing to the N.E. -
 The night was rather more pleasant than the day had been and the wind blew a little more aft -
 This morning set the lower studding sail and kept off S.W. having previously been steering S.W. by S. - saw the Schooner far much ahead, directly in our wake -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
SW 1/2 S	163						26° 17'	44° 24'			

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 6 th day of October 1830
1								
2								
3								
4								
5								
6								
7								
8				ESE				
9								
10						71°	70	
11								
12				To		71°	72	
1								
2								
3								
4								
5								
6				ENE				
7								
8						70°	69°	
9						70	68°	
10								
11								
12						76°	68°	

Comes in with a strong breeze from East & E by S attended with a heavy sea, all sail set steering SW by W saw the Schooner astern - at 4 changed the course to W.S.W. - The wind was strong during the night - at 3.50 this morning the Moon set, alt. gave the Lat. 27° 24' - Sighted ship and stood W by N during the remainder of the 24 hours - at 8 this morning perceived the water to have changed, the Thermometer also showed a variation of Temp of 4° - saw several sail standing to the Southward probably bound to Rio Grande - The Lat. by Mer. Obs. of the Sun this day was 21 miles farther to the Southward than the log gives her to I conclude we must have experienced a S. Current -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer Dist.
					27° 08'		27° 24'	47° 10'			

B. Mary Ann from Rio de Janeiro towards St Catharines

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 7 th day of October 1830				
1								<p>Immediatly after 12 M. saw the north East of St Catharines Island, together with Alvorado, the latter bearing per compass N.W. - Sounded in 35 fathoms, 12 miles from "Alvorado" - the wind dying we were unable to get within the point of the Island & at 6 Tacked to the S.E. wind light from E.N.E. with a heavy swell from the same quarter - at 10 tacked to the Northward and continued to stand on that tack in 35 37 & 38 fathoms, soft mud during the remainder of the night - At 4 kept off W.N.W. & at daylight made "Alvorado" right ahead - at 8^h 14^m 32^s it bore N by E. distant 6 miles and a set of Distances taken at that time gave the Long. 48° 07' 45" West of Greenwich - at 11 came too 3/4 of a mile South from Fort Santa Cruz the middle of Alvorado bearing by Compass N.E. a little Easterly - Got out the Boat and went up to town -</p>				
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the day of 18				
1								<p>Oct 7th Finding we could make sale of a part of our Cargo sent down the boat with a Pilot and orders to the mate to come up to town with the Brig early on the following morning - Oct. 8th The Mary Ann came up and we in the afternoon dis charged our Boat Load 25 Bbls Tobacco - 9th A Gale of Wind from South with thick rainy and uncomfortable weather - The Mercury standing at 61° of Fahrenheit -</p> <p>Wednesday Oct. 27th - having taken on board the rest of our copper money, the Proceeds of 802 Barrels of Flour &c, &c, took a Pilot on board, but before lifting our Anchor bonded the Brig Flight, Colonel of New York from whence he reported 65 days - At 10 o'clock got under way with a strong N.E. breeze & stood to the Southward between St. C & the main steering S.W. then S.W. & S by W, passing 3/4 of a mile to the Westward of "The Lango", having 2 fath: at the shallowest water it being low tide - At 1 came too 1 mile from the South Bar, were visited by the Boat from the Fort &c -</p>				
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.

Brig Mary Ann from St. Catharines towards Rio Grande

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 28 th day of October 1830
1								<p><i>Immediately after 12 M. took our anchor with a strong ebb tide and a fresh breeze from north but before we had got down to the Fort the wind shifted to East then to S.E. and soon after to South, and struck us aback — wore round on our heel and ran back into 4 fathoms and came too with the Chain anchor.</i></p> <p><i>The night was cloudy with strong breeze from S to S.W. —</i></p> <p><i>The forenoon pleasant with light airs & calm</i></p>
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 29 th day of Oct. 1830
1								<p><i>Went on shore on the Island and purchased some Fowl, Eggs, &c — caught two fine fish "Curwenas", with which the waters of St. Catharines abound, as well as with Cat fish of an enormous size, mullets also and many others —</i></p> <p><i>— This morning the wind breering from N.E. got under way with the flood and stood towards the Passage, at 8 1/2 past the Fort — This passage though not more than 300 yards wide is clear and good, having 5 fathoms close to the rocks, the Tide however runs with considerable velocity, and with the wind from N.E. to East there is danger of being becalmed under the South End of St. Catharines —</i></p> <p><i>at 12 M. S.C. S.P. low for Compass N.W. 1/2 W. —</i></p>
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						28° 06'					

Way and from St Catharines towards Rio Grande

41

Occurrences, the 30th day of October 1830

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

The Entrance between St C. South Point and Fort Island may be easily known by the following mark - When bearing N.W. in Compass distant 5 or 6 leagues it is directly in a line with the Northern End or Perpendicular cliff of a high range of mountains called by the people of the Country "Coubatoo", which is the highest land in the vicinity - Strong breezes and pleasant, the wind gradually veering to the Eastward at 4 changed the Course South - An Amplitude this evening gave the Var 6° 36' E - The Obs^d Dist. of ~~St~~ * Acrilae at 7^h 16' 53" gave the Long 48° 26' 45" West of Greenwich - at 10 changed the course to SSW - the night was fine but the wind veering back to N.E. gradually died and during the forenoon was almost calm we saw a sail standing to the SW off our larboard beam - at 8 kept off SSW 1/2 S - the Diff. of Lat by Obs^d there 24 hours exceeds that by D.R. 13 miles

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						29° 44'					

Occurrences, the 31st day of October 1830

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Beautiful weather & a fine breeze from N.E. to East, changed the course to SSW at 2 - Continued to see the sail mentioned this morning but the breeze freshening left her astern very fast - At 7 1/2 of this evening the Obs^d Dist. of the ~~St~~ * Acrilae gave the Long. 48° 39' 30" W - stood on SSW during the night but at daylight hauled in S.W. the wind from N.E. standing sails out below and aloft - An Amplitude last evening at sunset gave the Variation 9° 8' - The difference of Lat. by Obs^d again exceeds that by D.R. 16 miles

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						31° 44'					

Mary Ann from St Catharines towards Rio Grande

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 1 st day of November 1830
1								
2								
3								at 12 M. changed the course to
4				W.S.W. 100 compass and some after observed				
5				the water to become discoloured - continued				
6				to go 5 knots through the afternoon - at				
7				6 sounded in 53 fathoms mud, hauled in 8 by S -				
8				at 10, 35 fath at midnight 27. muddy bottom				
9				- The wind which had been between E by N &				
10				N.E. hauled more to the north and died -				
11				- at 2 o'clock sounded in 13 1/2 faths fine green				
12				sand having shoaled 13 1/2 in 8 miles - wore				
1				off shore and died before daylight. The				
2				wind came out from W & W in a heavy				
3				squall with Thunder & Lightning but soon				
4				veer'd to S.W. and blew heavy obliging us to				
5				close reef the M. T. sail & T. sail take in the				
6				Fore Topsail &c - Sounded in 35 fathoms				
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						32° 11'					

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 2 ^d day of November 1830
1								
2								The weather was clear this afternoon and the
3								Gale less violent, the wind hauling to South
4								accompanied by a tremendous sea - at 6 P.M.
5								wore in shore being in 42 fathoms - at 8
6								10, 12 & 2 sounded in 40, 38, 37 & 32 fathoms muddy with
7								broken shells - The Moon's Mer. Alt at 1.30 gave the Lat
8								32° 12' S - from 2 to 4 the wind was calm and about
9								daylight breezed from N.W. made sail laying up
10								W by S & W.S.W. - at 9 sounded in 20 fathoms fine Black
11								& White sand & broken shells - at 11 having run in ship
12								9 about 10 miles sounded in 11 1/2 fathoms W & S. sand with
1								Black specks - Tacked to the N.E. by N concluding we were to
2								the South of the Bar by being in so little water without seeing
3								the land - at 12 M. having deepened our water
4								to 14 fathoms and got an Obs. of the Sun which
5								gave the Latitude 32° 08' again Tacked to the West.
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						32° 08' S -					

Mary Ann from St. Catharines towards Rio Grande

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 3 ^d day of November, 1830
1								Continued to stand in until 6 o'clock made the land to the North of the Bar & saw a Sunnaca or hemaphrodite Brig ahead likewise standing to the westward - The wind gradually veering to the S.E. and it being slight and so near sunset as to leave no hope of getting in tonight tacked off in 12 fathoms - At 8 the wind having hauled to East by compass tack ^d to the S.S.E. being in 10 fathoms - At 10 sounded in 12 fathoms fine sand - at midnight sounded in 15 & tacked to the N.W. - at 2.30 by Mer Obs. of the Moon we were in Lat 32° 08' - at 3 hours aback and lay till daylight, when we fell away wind at N.W. and before sunrise made the land, ran down along it 3 miles distant 8, 9 & 10 fathoms at 7 saw the Town with the flag hoisted but no boat on the Bar ran into 7 fathoms a short mile from the Breakers & wore off into 9 fathoms, took in the Top G. Sails & hove aback - at 11 the Flag on the Town was again hoisted, made sail for the entrance immediately upon which it was hauled down again - - -
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 4 th day of November 1830
1								- Continued to stand backwards & forward off the Bar until 4.20 P.M. - in company with one hemaphrodite Brig or Sunnaca with the same Signals flying with ourselves viz 12 Tails, - Blue over White - when finding that no Calves were hoisted on the "Atlataya" and the wind veering from the N.E. stood off on the landward Tack - at 5.10 P.M. the Town bore N.W. by N by compass dist about 5 miles - at 8 sounded in 12 fathoms fine Yellow Sand - at 10 sounded in 16 fathoms & wore ship to the westward laying aback until midnight when we were in 13 fathoms, at 2 found the same depth of soundings - at 4 in 10 fath' wore to the Eastward but the wind immediately after hauling to the westward again wore to the South - At 6 the wind veering to S.W. and increasing to a gale, close reefed the Top Sails, reefed the Tails & hauled the Tails - At 10 wore in shore to the Westward - At 12 M. sounded in 27 fathoms saw the Two Sails mentioned yesterday standing in near us - - -
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						32° 13'					

Wayline from St. Catharines towards Rio Grande

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 5 th day of November 1830
1								<p>Continued to stand in until 4 P.M. when we were in 10 fathoms, wind at South with cloudy airy weather - At 5 wore to the Eastward being in 12 fathoms wind at South which during the evening gradually veered to the Eastward with a heavy sea - shook out the reefs, loosed the main sail & side, the wind knocking us off by 12 o'clock to E.N.E. - but we still continued to drop our water which at 1, 2 & 3 in the morning was 20 fathoms - wore to the Southward & hove aback the wind being at East - at daylight fired away and steered off W.N.W. at 6 made the land and continued to run along shore to the S.W. in 10 fathoms until 11 with a strong breeze from E by N when the mist & rain coming in so thick that it was impossible to distinguish objects at any distance & seeing nothing of the Tower, we were obliged to haul on the wind to the Southward - Saw a sail about</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						No Obs.					

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 6 th day of November 1830
1								<p>Continued to stand off to the S.E. by E until 6 o'clock when being in 21 fathoms, fine white sand with yellow specks Tacked to the Northward, the wind soon after died, and it was calm until midnight with rain & extreme darkness - Sailed in 18 fathoms same bottom - from 2 o'clock the wind was from the S.W. stood to the N.W. until 4 when we were in 10 fathoms - wore to the S.E. soon after daylight, saw several sail near us, standing on the wind some to the North & some to the Southward evidently bound into Rio Grande - After sunrise the wind increased so much from the S.W. as to oblige us to reef the Top sails, take in the side &c - at 6 wore to the N.W. - 1 Sumatra 1 Brig & Two Schooners in Company - at 10 passed an hermaphrodite Brig (a Brazilian) standing before the wind to the Eastward, she probably came over the Bar this morning - at 11 made the land some dist. to the North of R. G. wore to the S.E. -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						32° 01'					

Brig Mary Ann from St Catharines towards Rio Grande

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 7 th day of November 1830,
1								<p>Soon after 4 the wire dined & hauled to North - at 6 sounded in 11 fathoms fine white sand with 13 black & yellow specks - at 7 the wind suddenly veered to SSE. and struck us aback - hauled on the wire to the SE. at 8 sounded in 13 fathoms - at 10 in 23 - at 12 midnight were in shore to the westward being in 30 fathoms, the wind veering to the westward and again made sail to keep to windward - About daylight the wind freshened from the W.S.W. - at 6 15 a Meridian Obs. alt. of the Moon gave the Latitude 31° 45' having been drifted about 15 miles to the Northward by the current during the night - Saw a Brazilian Sannaca near us likewise bound into Rio Grande at 6.30 made the land & soon off to the SSW the wind at West by Compass - which gradually hauled during the forenoon knocking us off to S by E & SSE - Ends with strong SW wind and a tremendous sea</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						31° 56'					

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 8 th day of November 1830,
1								<p>Continued to stand on to the Southward, under double reefed Topsails, Foresail, reefed Trisail Sib & T. Stay sail - a Brig in sight to windward and the Sannaca mentioned this morning off the lee Quarter - at 6 the wind veering more to the South won ship to the westward being in 35 fathoms, the other Brig veering soon after - saw a sail to the windward - - at 10 35 fathoms - at 12, 32 - soon after which the wind died but left a heavy sea running from the South - at 4 being in 30 fathoms fine sand & mud, shook out the reefs set the main sail Top Gallant sail &c - At 8 & 10 found 18 & 14 fathoms broken shells & sand - the Atmosphere was so thick as to prevent our getting a Meridian Obs. of the Moon - saw the Brig mentioned yesterday standing in off our lee Beam together with the two Topsail Schooner off the lee Quarter - Ends in slight air from S by E -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						32° 04' 20"					

Brig Mary Ann from St. Catharines towards Rio Grande

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 9 th day of November 1830
1								<p>~ Immediately after Meridian the wind breeze from S.E. let studding ^{top} sail fore & aft and steered in S.W. by Compass, at 2 sounded in 12 1/2 fathoms said to shells - at 3 in 10 - hauled up West & Iribed Ship - at 4.45. saw the Tower bearing W. & W. at 5.30 saw the Pilot Boat beating out & took in the studding sail. Top Gallant sails &c & hauled up the Fore sail to give her time to get to the Bar - at 6 she anchored inside, and made a signal for 12 Fathoms stood in for her, steering as was directed from the Boat - Shouldered our water gradually to 2 fathoms, & immediately after struck, though not with much force, the vessel however remained stationary until the return of the sea which again gave her Storage way & in the trough or hollow she again stopped, and thus she continued to go ahead with the return of every roller, until she was over the Bar & dropped into 5 fathoms, sounded the Pump but found she made no water - At 7 P.M. came too with the Small Bower two miles above the Tower in ---</p>
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H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 9 th 10 th 11 th 12 th days of November 1830
1								<p>~ The Wind blew a gale from the Northward, during Tuesday & Wednesday & the current ran down with such velocity as to preclude the possibility of the Brig's getting up. - I however came up by land, got a Pilot for Porto Alegre, in readiness to ascend the Lake -</p> <p>~ Thursday Afternoon the wind came round to South, took off the Pilot and were in the act of getting under way when an order from the Custom House obliged us to wait until the following day -</p> <p>~ Friday 12th - At 8 o'clock took our anchor and stood up the river, let the Steering sail fore & aft - Wind from South to East - At 4 P.M. came too at the N.W. entrance of the shoal ground called Cangacu - Sounded the Boat & found 11 Fathoms or 8 f. 3 inches of water - During the night the wind veered to the Northward of East and during the water down out of the Lake into this narrow pass, was it so much that the Pilot thought we might venture to attempt the passage -</p>
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Mary Ann from Rio Grande towards Porto Alegre

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 18 th days of November 1830
1								<p>Thursday 18th - at daylight, hove short, but the wind being very light, and variable, did not succeed in getting through the Strait into the Lake until 7 o'clock after which the wind breaved from S.W. and we stood to the N.E. with all sail out, in company with a Top-sail Schooner & 4 Boats - The course through the strait, which has only 2 Fathoms more water than Cuyagacu is E by N. by Compass - At 12 M. "Bapuaia", which by the Pilots is said to be 9 leagues from the Strait, bore East, Obs. in 31° 32' - The course up the Lake is N.E. by Comp. to "Ires Irmãos", (Three Brothers) 12 leagues - then North 21 leagues to Itapara, the Entrance of the river or arm of the Lake on which Porto Alegre is situated - From Itapara to Porto Alegre 7 leagues the courses vary from South to North on the Western half of the Compass - We made the Land at the Entrance too late in the afternoon to attempt getting in and were obliged to lay at anchor in the open Lake in 4 fathoms during the night -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 19 th day of November 1830
1								<p>At 3 o'clock this morning called all hands and got under way, wind ESE - stood in for the Rocky point of Itapara and were soon becalmed under it, we had however sufficient headway to shoot across the deep water off the point where we dropped the chain anchor in 4 fathoms, but the flows from the highland striking us aback before we could get sail in, we dragg. off the back into 18 fathoms before the vessel could be brought up - from 7 to 10 we kedged her ahead far enough to make sail which was done at 10.30. at which time the wind began to increase and veer to the North of East, by 12 M. we had turned up as far as "Pigeon Island", where we again came to in 11 feet water - Ends with a gale from N.E. -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer Dist.

~ Arrived in New York Thursday, Afternoon. April 22^d 1831 ~
~ 56 days from Rio Grande Bar ~

from								towards		
H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the	day of	18
1								<i>Journal of a Voyage</i> <i>from -</i> <i>Rio Grande</i> <i>To</i> <i>New York -</i>		
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H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 25 th day of February 1831			
1								<div>At 2 o'clock in the morning the Pilot came</div> <div>on board and it being bright moonlight with a light</div> <div>Breeze from S.W. got under way and stood down</div> <div>to nearly opposite the Point of Shoals or Tower Point</div> <div>where we again let go our anchor and layed until</div> <div>daylight, when the Boat being on the Bar with</div> <div>signals for 15 Salutes hoisted we took our anchor</div> <div>in company with 17 sails - (4 of which were American)</div> <div>and proceeded to sea - after crossing the</div> <div>Bar we were obliged to heave aback and</div> <div>land in our Boat with the Pilot - At</div> <div>7.40 A.M. the Town bore N. by S. by compass</div> <div>dist 7 miles -</div>			
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						31° 59'					

Brig Mary Ann from Rio Grande - towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 26 th day of February 1831
1								<p>~ A fresh breeze from S.S.W. distinguishes the commencement of these 24 hours in The Brigs Anne & Susan for New York The Argus for Rio de Janeiro & the Consul for Bahia which left the Bar in company with us, still in sight the former only ahead of us</p> <p>During the night the wind was light and variable, took in and let the steering sails several times in</p> <p>Later part the wind breaved from W.S.W. saw the vessels mentioned yesterday together with a Brazilian Brig - The difference of Latitude by Obs. exceeds that by Acc. allowing 1/2 a point Variation, nearly 25 miles -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	⚡Variation.	Mer. Dist.
N 79° E	130	24.8	127.6	149 miles		31° 19'	49° 33'			1/2 a pt.	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 27 th day of February 1831.
1								<p>~ Strong Breezes from SW with a heavy rolling swell from the same Quarter - Studding sails out below and aloft - passed a Brazilian Brig standing to the N.E. - The Susan, Anne & Argus still in sight -</p> <p>During a great part of the night the wind was light and variable</p> <p>In Toward morning the wind freshened and we continued to go 5 knots the remainder of the 24 hours - We have again experienced a strong Northwesterly Current - the diff. Lat by Obs. exceeding that by Account 16' -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	⚡Variation.	Mer Dist.
N 75° E	139	36.	134.3	157 miles	—	30° 27'	46° 56.	—	—	1/2 a point	—

B. Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 28 th day of February 1831
1								Commenced with a fine breeze from South - Steering sails let below and aloft, going per compass E.S.E. -
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11								Breeze, light air from S.S.E. with frequent calms, passed the Susan to windward
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10								Later part the wind freshened a little and hauled aft - Saw the Ames ahead & the Susan Astoria - The strong current setting to the north still continued -
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 69° E	78	28.2	72.5	84 miles	—	29° 38'	45° 32'	—	—	—	—

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 1 st day of March 1831-
1								A heavy breeze from South which continued until 5 o'clock when it veered round gradually toward the East and died, the heavy South Westely swell still rolling - saw a large ship standing to the East
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11								Breeze part light air & Calm got an Ob. of the Moon & Star "Antares"
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10								Later Calm - Saw the Susan 10 or 15 miles to the westward of us - Caught a Pilot Fish &c
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12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
N 47° E	59	40.1	43.4	50 miles	—	28° 58'	44° 42' W	—	44° 21' 15"	1/2 point	—

B. Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 2 ^d day of March 1831				
1								Sight air and calm but soon after 2 the wind breving from the Eastward, stood to the north — saw the Susan Main Yard down to the Seaward untill dark —				
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10								The night was cloudy with occasional light showers of rain — wind East to ESE —				
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12												
1								Later the same Susan out of sight saw a full rigg Brig off our weather beam standing to the SSW. —				
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3												
4								The Current during these 24 hours has not been so strong as hitherto —				
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Account

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 25° E	95	86.1	40.1	46 miles	27° 32'	27° 30'	43° 57'	—	43° 35' 15"	1/2 a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 3 ^d day of March 1831-				
1								A fine breeze from East-south-east in these 24 hours, continued to stand on to the NNE — untill 10 o'clock when the wind veering to ENE backed to the S.E. —				
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10								Mildly Cloudy, with showers of rain a heavy head beat sea prevented our making much progress to the Eastward —				
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1								Later the wind continued to haul to the North during the middle watch and at daylight was N by E —				
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Account

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer Dist.
N 68° E	67	25.1	62.1	70 miles	27° 05'	27° 04'	42° 44'	—	42° 25' 15"	1/2 a point	

Brig Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 4 th day of March 1831
1								Cloudy unpleasant weather with occasional showers of rain and a heavy head beat sea - Wind N by E
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9								Winds the same took in the Flying Jib
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1								Latter part the wind veering a little to the Westward of North set the Fore Topmast and Main Top Gallant steering sails - at 8 ^h 32' 20" an obs ^d Distance of the O & C nearest limbs gave the Long 40° 59' 30" West - At 10 45 the wind hauled in a heavy square to the S.W. and obliged us to take in the steering sails, Top Gallant sails &c -
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	ε Variation.	Mer. Dist.
N 86° E	109	7.6	108.7	122 miles	26° 57'	~~~~~	40° 45'	~~~~~	40° 44' 30"	1/2 a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 5 th day of March 1831
1								Immediately after Mer. the wind having become steady from S.W. set the Top Gallant & sails Royal & Studding sails - The afternoon & evening was fine with a light breeze from S.W. to W.S.W.
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9								Middle of day about 12 the wind began to veer from the point already mentioned
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1								This morning saw an hemisphere Brig standing to the N E by E - At 9 ^h 29' 36" a set of Obs ^d Distances of O & C gave the Long. 38° 52' 00" West of Greenwich -
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
E by N	110	21.5	107.9	121 miles	26° 35'	26° 31'	38° 46'	~~~~~	38° 35'	1/2 a point	

<div> <i>Brig Mary Ann</i> from <i>Sao Paulo</i> towards <i>New York</i> </div>											
H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 6 th day of March 1831-			
1								<p>The afternoon was fine with a light breeze from SW to W.S.W. - bent another main topsail and sent the old one down to repair -</p>			
2											
3											
4											
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6											
7											
8											
9											
10								<p>~ Middle almost Calm</p>			
11											
12											
1								<p>Towards morning the wind again moved from W.S.W. - at 9^h 51^m 56^s a set of observations of the O.C. gave the Long. 36° 46' 30" West of Greenwich - We continue to feel considerable current to the Northward the Diff. Lat by Obs. Considerably exceeding that by Acc -</p>			
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12											
Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
E N E ½ E	110	26.7	106.7	119 miles	25° 58'	26° 50'	36° 45'	—	36° 38' 30"	¼ of a point	

<div> Occurrences, the 7th day of March 1831 </div>											
1								<p>Immediately after Mer. changed the course to E N E per compass - The wind during the afternoon veered rather more to the South and from 6 to 8 was light from S.S.E.</p>			
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6											
7											
8											
9											
10								<p>Middle fine wind light and unsteady from W.S.W. to S.S.E. -</p>			
11											
12											
1								<p>Lathe planet at 8^h 36' 18" a set of Distances of O.C. gave the Long. 35° 13' 45" W - At 11^h 53' 44" a second set gave it 34° 56' 30" W - An Amplitude taken this morning with a common Binnacle compass gave the variation nearly ½ a point W - Our Obs^d Diff Lat again exceeds that by account 15' - even allowing ½ a point W. Variation</p>			
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12											
Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer Dist.
N E ½ E	100	47.1	88.2	98 miles	25° 03'	24° 48'	35° 04'	—	34° 56' 15"	½ a point	

Boat Mary Ann from Rio Grande towards New York

H. K. F. Courses. Winds. Lee-way. Air. Wa-ter. Occurrences, the 8th day of March 1831

1								Fine weather and a whole fair breeze from SSE - which gradually hauled during the afternoon - still continuing to steer E.N.E. per Compass -
2								
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7								
8								
9								
10								Midst the wind continued to haul to the Eastward and obliged us to take in the S. Sails to
11								
12								
1								Satter pleasant Wind at 5 P.M. At 8 ^h 52' 48" - An obs ^d Distance of the 01 ^a gave the Long. 34° 02' 30" W - which together with the diff of Lat by Obs. gives her a Course 1 1/4 points to the North of that per Log - Notwithstanding it have allowed for a small W. Variation
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12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
N 64° W	118	98.1	65.5	1° 12'	23° 10'	23° 10'	33° 55'		33° 56' 30"	1/2 a point	

H. K. F. Courses. Winds. Lee-way. Air. Wa-ter. Occurrences, the 9th day of March 1831

1								The wind during the afternoon continued to be to the Northward of East and a little before 6 in the evening came out N.E. in a squall - Tacked to the S.E. -
2								
3								
4								
5								
6								
7								
8								
9								
10								Made - the wind was unsteady from N.N.E. to E.S.E. - with frequent calms - Tacked twice in the course of the night - After daylight the wind hauled to North & N by E. - permitting us to lay up E.N.E. and sometimes even N.E. with our lashed tacks on board -
11								
12								
1								During the forenoon got three sets of Lunar Observations, which agreed in placing us in the Long. as below - Carried forward to noon -
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3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer. Dist.
N 62° E	58.	27.8	51.8	56 miles	22° 42'	—	32° 54'		33° 06' 30"	1/2 a point	

B. Mary Ann from The Grange towards New York

	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 10 th day of March 1831.
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11								
12								

The afternoon was squally with rain, wind from North & Nby E —

— Breeze rather more pleasant at 12 midnight passed an hermaphrodite Brig standing to the N.W. —

— Breeze pleasant wind N.N.E. — Sent aloft the Royal yard which had been sent down to repair the Sail —

A set of Obs^d Distances of OC taken at 10^h 10^m 25^s gave the Long carried forward to noon as below —

— An Amplitude last evening gave the Var. 2° 19' West

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
ENE 1/4 E	70	23.6	65.9	72 miles	22° 18'	22° 21'	31° 47'	—	31° 52' 52"	1/4 Westing	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 11 th day of March 1831.
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12								

The wind continued from the N.N.E during the afternoon — A second set of Distances taken this afternoon nearly agree with those of this morning — Corrected the watch —

Breeze nearly Calm until midnight when the wind breered from E.N.E — Tacked ship to the Northward —

— The weather was pleasant this forenoon until 10 o'clock when we had a light Squall of rain with light and variable winds — To end this day —

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 24° E	43	39.5	17.8	19 miles	21° 41'	21° 41'	31° 28'		31° 33' 52"	1/4 of a pt	

Big Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 12 th day of March 1831
1								
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10								
11								
12								

*Light air from N.E. and pleasantly-
weather -*

*Middle squally the wind being
occasionally as far as East - Took in
the H. S. G. S. & Flying dit some times during
the night -*

*Later a fresh breeze and clear
weather wind at N.E. -*

Account

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 67 1/2 W	77	73.7	22.4	24 miles	20° 27'	20° 29'	31° 52'	—	31° 57' 52"	1/4 of a pt	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 13 th day of March 1831
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12								

*This afternoon the wind was fresh from
N.E. but by 6 had hauled to N E by E - all
sail out close hauled -*

*Middle pleasant weather and a
steady breeze from E N E & E by N -*

*Later, immediately after daylight
the wind veered to N E by E and continued from
that quarter during the remainder of the
24 hours -*
*Diff Lat by D. R. falls short of that
by Obs. several miles -*

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 67 W	99.	97.1	19.3	21 miles	18° 52'	18° 52'	32° 13'	—		1/4 of a pt	

Big Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 14 th day of March 1831
1								The wind this afternoon was from N by E & E N E light until 6 when it veered to East — At sunset an Amplitude of the Sun gave the variation of the Compass 5° Westwardly
2								
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9								
10								
11								
12								
1								Made part beautiful weather and a continuation of the light breeze from East and was occasionally from E by S —
2								The Forenoon was pleasant the wind being a little to the Northward — Paid the Deck with Turpentine & Oil —
3								
4								
5								
6								
7								
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11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 2° E	78	78.5	2.9	3 miles	17° 33'	17° 31'	32° 10'	—	—	½ a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 15 th day of March 1831
1								The afternoon was almost calm with an occasional light air from E. N. E. — At 6 the wind breezed from East and continued from that point & E by S during the most of the 24 hours — An Amplitude this evening gave the Variation ½ a point westerly —
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10								
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12								
1								The night was fine and wind steady — This forenoon set the F. T. Steering sail going per Compass N N E ½ E —
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3								
4								
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6								
7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 18° E	100	95.5	30.8	32 miles	15° 55'	15° 54'	31° 38'	—	—	½ a point	

Brig Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 16 th day of March 1831
1								Soon after Meridian, a Squall passed across the bow which hauled the Wind to N.E. at 2 however it veered back to ESE and was even occasionally as far as SE - during the remainder of the 24 hours - Set Steering Sails below & aloft - Steering NNE - Middle Squally, with strong breezes - Afternoon - saw a sail off the Lee Quarter standing to the Northward - At 8 kept off S by E -
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10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 11° E	122	119.7	22.7	23 miles	13° 54'	13° 53'	31° 15'	—	—	1/2 a point	—

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 17 th day of March 1831
1								A few breezes from E by S & ESE all sail set steering by compass N by E - Middle Squally, took in the light sails - At 10.32 & 10.34 this morning two sets of Obs ^d Distances of OLC worked by Bowditch & Lyons's methods gave the Long. 33° 39' 30" & 33° 31' 45" - At 11° 07' 15" another set gave by Bowditch 33° 46' & by Lyons 33° 40' 15" West - Consequently notwithstanding we have allowed 3/4 of a point for Westerly variation & lee set - our Longitude by Accounts since the 10 th is 2° 32' out of the way - which I can only attribute to the strong Westerly Current - our app ^d Lat. the last 24 hours by Obs. has exceeded that by Log 10 miles -
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5								
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11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
N 3° E	135	134.8	b. 1	7 miles	11° 38'	11° 28'	31° 08'	—	33° 40' 15"	1/2 a point	—

Brig Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 18 th day of March 1831
1								<p>A Fresh breeze from E by S. - Changed the course to N. N. E. by Compass - The night was squally and sometime Calm, took in and let the steering sails several times as the wind was unsteady & hopping in - at 8 this morning kept off 1 point - The mean of 2 sets of Lunar Obs. taken at 10 52' 25" & 11 25' 09" gave the Longitude worked by Bowditch & Lyons methods 33° 55' - having made 15' diff Long. to the Westward since yesterday's Obs. although by Log allowing $\frac{3}{4}$ of a point true W. we have made 23' to the Eastward - The diff. Lat by Obs. also overruns that by P. R. 9' -</p>
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9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 12° E.	112	109.3	22.4	23 miles	9° 39'	9° 35'	30° 45'	33° 56' -	33° 56'	$\frac{1}{2}$ point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 19 th day of March 1831
1								<p>Saw a Brig standing to the S.W.</p> <p>Wind from E by N & E. N. E. light through the night & forenoon - At 8 passed the Latitude of Pernambuco - Two sets of Lunar Distances taken at noon gave the Longitude 34° 06' 37" W having made 10' diff Long to the Westward while the Log gives 12' to the Eastward & a course of N $\frac{3}{4}$ E - The Diff. Latitude by Obs. is 17' more than the Distance made by Log -</p> <p>Saw a large full rigged Brig standing along the Coast to the Southward -</p>
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12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	S Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer Dist.
N $\frac{3}{4}$ E.	81	80.8	11.4	12 miles		8° 00'			34° 06' 37"	$\frac{1}{2}$ point	

Brig Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 20 th day of March 1831-
1								The afternoon was almost calm, but at 6 the wind breeze from East and we continued to go 5 knots through the night - At meridian the difference Lat by Obs. was found to exceed the distance run per Log 10 miles - and I have accordingly allowed 1 knot current N.N.W. -
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3								
4								
5								
6								
7								
8								
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10								
11				East				At 6 this morning we kept off N by E by Compass and set the Topmast steering sail - An Amplitude last evening while the sun was in the Horizon gave the variation 6° Westward - <div>advised from yesterday's Obs.</div>
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1								
2								
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7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 1/4 W	104	103.5	6.7	7 miles	6° 16'	6° 13'	---	---	34° 13' 37"	6° Westward	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 21 st day of March 1831-
1								At 1 st 5' 14" this afternoon a set of Lunar Distances gave the Longitude 34° 18' 22" West of Greenwich - Took a fresh departure from this Obs - The wind during the afternoon was light from E by S - course per compass N by E - At 6 in the evening kept off North & set the Top Gallant steering sails - The breeze freshened as usual during the night - At 6 this morning having passed the Lat. of Cape St Roque kept away N.N.W. let steering sails on both sides - Ended with a fine breeze from S.E. and Cloudy -
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4								
5								
6								
7								
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10								
11								Allowed 18' current during these 24 hours W.S.W. -
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1								
2								
3								
4								
5								
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7								
8								
9								
10								
11								
12								

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 18° W	125	118.9	39.9	40' -	4° 14'	4° 14'	34° 53' 37"	---	---	1/2 a point	

Big May Day from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 22 ^d day of March 1851.			
1								A light breeze from the SE all said set steering per compass N.W.			
2											
3											
4											
5											
6											
7								Made the land			
8											
9											
10											
11								Satter fine but almost calm and excessively steam — At 9 this morn- ning The water since yesterday afternoon had gained nearly 4' 30" —			
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1											
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5											
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7											
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9											
10											
11											
12											

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 43° W	124	90.8	84.6	85 miles	2° 43'	2° 43'	36° 18' 37"	—	—	1/2 points	—

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 23 ^d day of March 1851			
1								Two sets of Lunar Distances taken at 2 ^h 36' 36" & 2 ^h 42' 56" gave the Long. as follows, viz the first worked by Lyons method 36° 22' 15" W & the other worked by Bowditch 36° 27' 30" W. — Light air & calm with squalls of rain floating about the horizon in every direction — At 6 42' 06 the Obs ^d Distance of the Spica "Aldebaran" gave the Long. 36° 25' West — During the night the wind blew from N.E & we continued to go 4 1/2 & 5 knots until 8 this morning — The forenoon was almost calm again with a renewal of the rain squalls &c —			
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12											

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	S Lat. by D. R.	S Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	W Variation.	Mer Dist.
N 41° W	103	78.7	67.5	68 miles	1° 24'	1° 23'	37° 26' 37"	—	37° 30'	1/2 points	—

Bug Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 24 th day of March 1831
1								Light air & squalls of rain with occasional Calms - Saw a ship off our starboard bow standing to the N.W. - During the night, we had a breeze from N.E. which was sometimes as far as N.N.E. - set it took in the F.T. Staining sail several times Vatter part again Calm, saw the ship mentioned yesterday in nearly the same position - Caught a Dolphin -
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3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Allowed 1 knot for westing
Current -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
NW 1/4 W	76	51.1	56.7	57 miles	0° 32'	0° 31'	38° 23' 37"	---	---	1/2 a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 25 th day of March 1831
1								The afternoon was almost Calm, but after 6 in the evening the wind brewed a little from N.E. - Two sets of Obs ^d Distances of the 1st "Spica" & "Pollux", the former to the Eastward, the latter to the Westward of the moon gave the Longitude at 8 o'clock 38° 14' 37" differing about 15' from that by D.R. brought forward from the Obs. of the 21 st - Shortly after 10 o'clock the wind brewed & hailed, aft set the Studding sails below & aloft - we have now for several days had a heavy ground swell from the N.E. { from last evening }
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Allowed 18 miles for westing
Current then 24 hours

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 41° W	100	75.9	66.2	66 miles	0° 45'	0° 43'	39° 24' 37"	---	39° 14' 37"	1/2 a point	

Brig Mary Anne from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 26 th day of March 1831			
1								<p> <i> These 24 hours commenced with a fine breeze from N.E. with a heavy rolling swell from the same quarter </i> </p>			
2											
3											
4											
5											
6											
7											
8											
9								<p> <i> Made equally took in the T.G. steering sails & Main top sail — </i> </p>			
10											
11											
12											
1											
2								<p> <i> Latter pleasant with a fresh Trade wind - The Brig going 6 1/2 to 14 knots per Log The diff. Lat by Obs. this day fell short of that per Log 5' which I attribute to the head beat sea — </i> </p>			
3											
4											
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11											
12											

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 44 1/2 E	153	118.9	97.2	97 miles	2° 42'	2° 37'	41° 06' 37"	—	—	1/2 a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 27 th day of March 1831-			
1								<p> <i> A Fresh breeze from N.E. distinguished the commencement of this day - At 6 the Course which had previously been N.N.W. 1/2 W was changed to N.W. 1/2 W - The night came in cloudy and with every appearance of bad weather </i> </p>			
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9								<p> <i> At 10 the wind veering to N.E. by N took in the T.G. Steering sail - at 12 took in the Fore T.G. sail - at 2 a heavy squall of wind struck & obliged us to clew down the Top sails, haul up the Mainsail &c - Ends with a gale of wind and a heavy sea, The Brig going 5 to 10 knots on the wind under Double reefed Top sails & Courses - </i> </p>			
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 46° W	130	90.9	92.3	92 miles	4° 08'	3° 57'	42° 38' 37"	—	—	1/2 a point	

63

Brig. Mary from Rio Janeiro towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 28 day of March 1831
1								<p>Cloudy, hazy weather, with a heavy ground swell - occasional squalls also - passed several strong tide rips - saw the North Star for the first time since crossing the Equinoctial</p> <p>Windle the same -</p>
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10				NE				
11				L				
12				NE by N				
1								<p>Still rather more pleasant. saw many Bonito -</p> <p>The diff. Lat. by Obs. this day fell considerably short of that shown by Log.</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N. 42° 30' W	117	86.8	78.8	79 miles	5° 26'	5° 24'	43° 57' 37"	—	—	1/2 a point	—

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 29 th day of March 1831
1								<p>Light airs & calm. The people employed in setting up the head stays &c -</p> <p>The night was only distinguished by a light breeze from NE & NE by E - at 7 48 23 am Obs. Distance between 2^d "Regulus" gave the Long. 44° 22' 30" West of Greenwich -</p> <p>During the greater part of these 24 hours the upper course of Clouds has been flying to the Eastward or directly against the wind -</p> <p>Still the same Light airs & Calm</p>
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8			N. N. W					
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12								
1								<p>Allowed 18' as usual for Westing</p> <p>Can't hear of the sea</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 46° W	71	49.9	51.3	51 miles	6° 14'	6° 13'	44° 48' 39"	—	—	1/2 a point	—

Big Way And from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 30 th day of March 1831.
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The afternoon was almost calm with a heavy swell from the N.E. -

Woke a fine breeze from N.E. & occasionally interrupted by squalls of rain -

Allowed 18' for westing
Current & beam of the swell

Water pleasant & very warm with a light breeze from E.S.E. set the S.P. & lower steering sails & Royal -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
NW 1/4 N	103	79.5	65.8	66 miles	4° 33'	4° 33'	45° 54' 37"	—	—	1/4 of a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 31 st day of March 1831.
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A continuation of calm weather accompanied by frequent squalls of rain during which a light air sometimes sprang up from North & North by E. - saw a Fire Bird

The night was squally and at 11 we took in the T.G. sails & Flying Jib & hauled up the mainsail wind strong from N.N.E. -

18' Current & beam of the sea allowed -

Water clear weather with still continuing to blow fresh from the same quarter -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer Dist.
N 48° W	105	70.3	78.	1° 18'	8° 43'	8° 43'	47° 12' 37"	—	—	1/2 of a point	

Brig Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 1 st day of April 1831.
1								<p>Clear weather & very strong breeze from NNE with a heavy head beat sea -</p> <p>During the night the wind veered a little to the Eastward and decreased so much as to enable us to carry our Top & G. sails - At 3⁵⁵ 49" & 4⁰³ 27" this morning two sets of Lunar Obs. taken with the Stars "Arcturus" & "Spica" the former to the East the latter to the Westward of the Moon gave the following results "Arcturus" by Lyons 48° 38' 15" W Bowditch 48° 30' 15" "Spica" " 48° 45' 15" Lyons 48° 40' 45" Mean - 48° 38' 37" West</p> <p>Latitude True -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 52° W	136	83.7	107.2	109 miles	10° 07'	10° 08'	49° 01' 37"	—	49° 20' 37"	1/4 of a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 2 ^d day of April 1831.
1								<p>Wind at NE and as much of it as we can carry Fore Topmast Steering sail & Top Gallant sails to - it however did a little at 4 and the Royal & Top Gallant S. sails were set - At 5 took in the light sails again the wind strong from the same point</p> <p>Later the same the Brig going 7 1/2 knots through the water - a heavy head beat sea however retards her progress considerably</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 42° W	164	122.	108.5	1° 50'	12° 10'	12° 08'	50° 51' 37"	—	—	1/4 of a point	

Mary Ann from the Grand towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 3 ^d day of April 1831
1								<p>Strong breeze from N.E. distinguish the commencement of the day - at 7.30 in the evening single reefed the Topsails -</p> <p>The night was squally with a strong gale from N.E. by E. & E.N.E. hauled up the Main sail several times during the night.</p> <p>At 6 this morning Sam Eelf went for the first time being in Lat. 13°40' - at 8 took the reefs out of the Topsails - at 7.52.49" an Obs. Dist. of the O.C. gave the Longitude 51°53'30" West, but the Obs. could not be relied on as very exact as the Sea was so high and motion so great as to render the taking it difficult.</p>
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12								
1								<p>Allowed 18' for westerly Current & heave of the sea</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N. Lat. by D. R.	N. Lat. by Obs.	W. Long. by D. R.	Long. by Chron.	Long. by Obs.	W. Variation. allowed	Mer. Dist.
N 41° W	167	126.1	111.5	114 miles	14° 14'	14° 14'	52° 45' 37"	---	52° 19' 30"	1/4 of a point	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 4 th day of April - 1831
1								<p>A continuation of the strong N.E. by E wind accompanied by a heavy irregular sea the Mary Ann continued to 7.28 knots under her Topsails & Courses during the greater part of the day.</p> <p>The night was less squally than the preceding -</p> <p>This morning the wind decreasing a little set the F.T.S. sail & Top G. sail - at 8 03' 36" a set of Distance of O.C. gave the following results. Spun 54° 27' 15" W Bowditch 54° 34' 15" Mean 54° 30' 45" W</p> <p>All hands employed in painting ships</p> <p>{ box to noon }</p>
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12								
1								<p>Allowed 18' for westerly Current & heave of the sea</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N. Lat. by D. R.	N. Lat. by Obs.	W. Long. by D. R.	Long. by Chron.	W. Long. by Obs.	W. Variation. allowed	Mer. Dist.
N 41° W	180	135.7	118.7	2.03	16° 30'	16° 29'	54° 47' 37"	---	54° 50' 45"	1/4 of a point	

B. May from *the Grand* towards *New York*

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 5 th day of April 1831
1								<p>The wind was light this afternoon and several rain squalls passed near us, hauling the wind occasionally as far as S.E. -</p> <p>The night was pleasant with the exception of one or two light squalls which did not however oblige us to take in sail -</p> <p>Two sets of Lunar Distances taken this morning at 7⁵⁴'52" & 10⁰²'16" gave the following results - at 7⁵⁴'52" Dist. 55°53'45" W. Lunar 55°51'30" mean 55°52'37" W</p> <p>" 10⁰²'16" Dist. 55°55'30" W Lunar 55°52'45" mean 55°54'07" W</p> <p>Making the mean of both at 9⁰¹'04" 55°53'22" W</p> <p>Ends with a light air from N.E. by E -</p> <p style="text-align: right;">{bore to noon}</p>
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Allowed 12' then 24 hours for Westing Current

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N. Lat. by D. R.	N. Lat. by Obs.	W. Long. by D. R.	Long. by Chron.	W. Long. by Obs.	Variation.	Mer. Dist.
N 38° W	122	95.6	75.9	1° 09'	18° 05'	18° 05'	56° 06' 37"	---	55° 54' 22"	nothing	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 6 th day of April 1831-
1								<p>Light airs & calm the former inclining to the Northward -</p> <p>The night was fine with a faint breeze from N.E. & N.E. -</p> <p>Later the same - at 9⁰⁰'24" a set of Obs^d Dist. of 0¹¹ gave the Long. 56° 36' -</p> <p>Ends with calm weather & occasional light airs from N.W. to North -</p> <p>An Amplitude of the Sun this morning taken in the horizon gave the variation W about 30' -</p> <p style="text-align: right;">{bore to noon}</p>
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Allowed 12' for Westing Current

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N. Lat. by D. R.	N. Lat. by Obs.	W. Long. by D. R.	Long. by Chron.	W. Long. by Obs.	Variation.	Mer. Dist.
W. N. W. 1/4 W	41	14.1	38.5	40'	18° 19'	18° 19'	56° 46' 37"	---	56° 40' 00"	---	

B. Mary Anne from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 7 th day of April 1831
1								<p>Light airs from N.W. by N. at 2 P.M.</p> <p>Tacked ship to the N.E. all hands employed in painting ship - Caught a Dolphin.</p> <p>At 8 this evening the wind veering to N.E. again tacked to the N.W. by N and continued to go on course during the remainder of the 24 hours</p> <p>The night was fine but the wind light accompanied by a heavy head sea</p> <p>At 9 46' 08" this morning a set of Lunar Observations gave the Long. 57° 15' 00" West of Greenwich</p>
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1								<p>Allowed 6' for the current this 24 hours</p>
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brok to noon

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
N 28° W	70	61.8	32.9	34 miles	19° 21'	19° 19'	57° 20' 37"	—	57° 19' 00"	nothing	—

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 8 th day of April 1831-
1								<p>The afternoon was pleasant with a light breeze from N.E. which towards evening increased and veered a little more to the Eastward set the Fore T. Studding Sail -</p> <p>At 12 Midnight kept off half a point our course previously having been N.W. by N by Compass</p> <p>The weather was fine this morning & a set of Lunar Observations gave the Long. 57° 08' 45" West -</p> <p>Ends with squalls of rain & a strong breeze from N.E. by E</p>
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1								<p>Allowed 12' for the current</p>
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brok to noon

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	W Long. by Obs.	Variation.	Mer. Dist.
N 46° W	137	98.5	95.2	101 miles	20° 58'	20° 57'	57° 01' 37"	—	57° 16' 45"	1/4 of a pt	N 33° W 1396 miles

13. Voyage from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 9 th day of April 1831			
1								<p>The wind freshened so much immediately after Mer. accompanied by so high a sea upon the beam that we were obliged to take in the Top & Sail & Topmast Steering Sail - The night however was fine - This morning at 9 08 45 a set of Good Sun. Distances of 42° gave the Longitude 62° 08' W overrunning our diff. Long by Log since yesterday's obs. more than 40' even allowing 24" for heave of the sea & westerly current - A Distance taken yesterday afternoon agrees also within a trifle of those of the forenoon - Later part the wind decreasing and hauling as far as East set the Steering Sails &c</p> <p>Not to noon</p>			
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Allowed 24' for heave of the sea & westerly current

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 50° W.	195	125.9	149.9	2° 42'	23° 03'	23° 03'	61° 43' 37"	---	62° 22'	1/4 of a pt	1219 miles

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 10 th day of April 1831			
1								<p>At 1 05 11" Another Sun. Distance agreed with those taken this morning giving the Long by Bowditch 62° 16' & by Lyons 62° 21' 30" W</p> <p>The afternoon & evening were pleasant but the wind light & sometimes as far aft as SE at 10 hauled up N by W by Compass -</p> <p>Later the same light air from East to ESE Steering Sails out below & aloft -</p>			
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Allowed 12' for westerly current and heave of the swell

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
NW	101	71.7	71.	78 miles	24° 15'	24° 13'	63° 01' 37"	---	---	1/4 of a pt	1123 miles

B. May Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 11 th day of April 1831			
1								<p>Light air from E.S.E. which during the evening freshened & hauled more to the Southward -</p> <p>At daylight, saw a large Bark standing across our bow to the N.N.E. probably an English West India man -</p> <p>Saw a fresh breeze from S.E. by S. the Brig going by log 6 1/2 knots with every thing out Course per Compass NW 1/4 N -</p> <p>Ends with pleasant weather -</p>			
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1								<p>At daylight, saw a large Bark standing across our bow to the N.N.E. probably an English West India man -</p> <p>Saw a fresh breeze from S.E. by S. the Brig going by log 6 1/2 knots with every thing out Course per Compass NW 1/4 N -</p> <p>Ends with pleasant weather -</p>			
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at 5 this afternoon set the watch, it having gained 4' 53" since the Obs. of yesterday -

Light air from E.S.E. which during the evening freshened & hauled more to the Southward -

Middle haze, the clouds rising ahead and flying to the S.E. -

At daylight, saw a large Bark standing across our bow to the N.N.E. probably an English West India man -

Saw a fresh breeze from S.E. by S. the Brig going by log 6 1/2 knots with every thing out Course per Compass NW 1/4 N -

Ends with pleasant weather -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 43° W	114	83.3	77.2	1° 25'	25° 36'	25° 39'	64° 26' 37"	---	---	nothing	N 28° 30' W 1011 miles

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 12 th day of April 1831-			
1								<p>The afternoon was squally with light variable winds, calms & Torrents of rain - heavy masses of clouds rising in the N.W. and working to the Eastward - took in the Studding Sails & Top Gallant Sails -</p> <p>The first watch was almost calm with an occasional light air from S.E. the sky obscured and very dark - between 12 & 2 the wind bore from S.W. made sail & continued to go 6 1/2 knots until daylight when we set the Fore & F. S. Sails &c - saw a large Water Spout a short distance to windward of us - soon after 10 this morning the wind veered to W by S & died considerably</p> <p>Letter pleasant -</p>			
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1								<p>The afternoon was squally with light variable winds, calms & Torrents of rain - heavy masses of clouds rising in the N.W. and working to the Eastward - took in the Studding Sails & Top Gallant Sails -</p> <p>The first watch was almost calm with an occasional light air from S.E. the sky obscured and very dark - between 12 & 2 the wind bore from S.W. made sail & continued to go 6 1/2 knots until daylight when we set the Fore & F. S. Sails &c - saw a large Water Spout a short distance to windward of us - soon after 10 this morning the wind veered to W by S & died considerably</p> <p>Letter pleasant -</p>			
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer Dist.
N 40° W	107	82.	68.8	1° 17'	27° 01'	27° 03'	65° 43' 37"	---	---	2° -	N 27° W. 903 miles

B. Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 13 th day of April 1831			
1								A light breeze from West brings in the 24 hours, which gradually hauls to the Northward and at 5 obliged us to tack to the WNW.			
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8								The evening was pleasant, although it lightened during the most of the night in the S.E. - the wind remained steady, at N.E. & N.E by N.			
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12											
1								Soon after this morning the wine increased so much in a gale that we were obliged to take in the Flying Jib, mainsail & Top G. Sails & single reef the Topsails -			
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7											
8								Eens rather more moderate but with a heavy sea			
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12											

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 45° W	70	49.5	49.5	56'	27° 53'	27° 53'	66° 39' 37"	---	---	1/4 of a point	N 26° W 840 miles

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 14 th day of April 1831			
1								During the afternoon the wind was from N.E. to E attended by a heavy rolling sea sent down the main Top Gallant Yard repaired the sail & again crossed him -			
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8								Middle wind unsteady and inclining to the Eastward -			
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12											
1								This morning the wind hauling a little more aft, took the reefs out of the Topsails & in the course of the forenoon set the M.T. G. Sail & F. T. Studding sail -			
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7											
8								Ends with cloudy weather, wind at E & N.E.			
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10											
11											
12											

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	N Lat. by D. R.	N Lat. by Obs.	W Long. by D. R.	Long. by Chron.	Long. by Obs.	W Variation.	Mer. Dist.
N 38° W	87	68.6	53.6	1° 01'	29° 02'	29° 01'	67° 40' 37"	---	---	1/4 of a point	N 26° 30' W 784 miles

Brig Mary Ann from Rio Grande towards New York								Occurrences, the 15 th day of April 1831	
H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.		
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Regulated the water, the
diff in her time since the
last lunar obs. is 31' 53" placing
us at 9 15' this morning in
Long 70° 01' which agrees with
the B. & N. reckoning in proving
that we are much further
West than the O. R. gives her

~ Soon after Meridian saw a sail ahead
which at 1/2 past 3 we spoke & hauled - it proved
to be the Sch. Rachael & Nancy of Bristol Me.
^{Fitch master} 5 days from Wilmington N.C. bound to Mary Galena
reported to be reported. - the Capt very politely
furnished us with a Blue Beef, some Bread &c
- reported his Long. 70° 30' -
~ The wind during the night was from
East & E by S. - course per compass N by W -
~ This morning the wind being more
aft set the J. S. & Lower Steering sails, Royal &c

No Obs. of the Sun -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 18° W	131	124.8	41.9	48'	31° 06'	No Obs.	68° 28' 37"	---	---	---	Mer. Dist. 625 R. & N. 582

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 16 th day of April 1831	
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Saw a sail standing to the Westward
across the Stern - The wind increased so much
during the afternoon that we took in the
high sails & sent down the Royal & sent
mast - Middle wind at 5 52 course
per compass N by W at 5 this morning carried
away the F. J. S. S. Yard and hauled him in -
- An Obs. of the Sun though not a good one at
5 min. past one gave the Lat 34° 25' -

Encos with a gale of wind from
S by E & a high sea
Look in the Fore sail -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N 44° W	162	159.	31.6	38'	33° 46'	34° 25'	69° 07'	71° 56'	---	---	

Brig Mary Ann

from Rio Grande

towards New York

75

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 17 th day of April 1831
1								<p>A continuance of the Gale, close reefed the Topsails & reefed the Foresail - reefed the Spritsail also & hauled him - The water at 4 was apparently warmer than it had previously been - sent down the Top Gallant Girders & prevented braces - wheel ropes &c -</p> <p>The night came on dark & rainy with a very heavy gale from S by E attended with a short high sea at 7 took in the Fore Top-sail & at 10.30 furlled the Main Top-sail - Course per Compass N by W - The Mary Ann going 7 knots under a reefed Foresail without sheeting a drop of water - at 2.30 the wind shifted to S.W. in a violent squall which obliged us to take in our only remaining sail & we continued to drive under bare poles until day light when the wind abating & veering to the West made sail - Ends with wind at W by N -</p>
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11								<p>At 9 this morning saw a long range of Gulf weed stretching across the wind from S.W. to N.E. and the water on him after was still warmer than last evening - The diff. Lat. by Obs. to day gives us 23 miles more dist than the Log shows -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N by W	138	135.3	26.9	33'	36° 40'	36° 40'	69° 40'	R L N - 72° 29'	—	min R L N	N 43° W 307 N 17° " 238

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	Occurrences, the 18 th day of April 1831
1								<p>Wind W by N with thick airy weather long reef the Topsails - The night was dark & at 2 o'clock the wind hauled more to the Northward - perceived a sensible change in the Temperature of the air & water - At 6 this morning the wind veering to North tacked to the Westward passed within a short dist. of a large ship standing on the wind to the Eastward -</p> <p>By Obs. at noon found we had made 31' more diff. Lat than the Log gives her during the last 24 hours</p> <p>Saw a Brig ahead standing to the Westward -</p>
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N by W	51	50.5	5.2	7'	37° 31'	38° 02'	69° 47'	R L N - 72° 36'	—	1/2 a point	

13 May Ann from Rio Grande towards New York								Occurrences, the 19 th day of April 1831
H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Wa-ter.	
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The Afternoon was so thick as to enable us to see but a few hundred yards in any direction wind at N.W. blowing almost a Gale - saw two Brigs near us standing like ourselves on the wind to the Westward - at 8.15 spoke a Brig bound to New York but what her name was I could not understand - reported his Long. 72° W - at 10 sounded no bottom, & tacked to the Eastward - The night was calm & thick - at 4 however it partially cleared - at 5 the wind increased from the S.E. at 6 set Studding Sails & steered in N.W. till 12 Mer - saw several sail standing to the Northward -

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
W.N.W. 1/4 S.W.	48	46.5	11.8	59'	38° 14'	38° 16'	70° 46'	73° 35'		1/2 point W	

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 20 th day of April 1831-
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At 10 this evening sounded
but found no bottom

The first part of the Afternoon was pleasant & we succeeded in getting a Lunar Obs. for the first time since the change of the Moon - Long. advised therefore at 3⁰⁰ 48" was 71° 57' 45" - At 4 the wind hauled to the North and died, braced the yards and stood in on the Starboard tack - 2 sail in sight - The night was foggy & wind almost Calm - At 4 this morning however ^{the wind} hauled round to the Eastward & from thence to South & braced - During the forenoon we saw more than 20 sail of vessels standing different courses -

Ended with a fresh breeze from S.W. and a smooth sea compasses NW by W -

{ deduced from }

Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
N.W. 1/4 W	65	43.8	47.2	1° 01	39° 00'	39° 00'	71° 47'		72° 57' 45"	1/2 point	

B. Mary Ann from Rio Grande towards New York

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 21 st day of April 1831			
1								<p>The strong breeze from SW continued through the afternoon and we continued to go $7\frac{1}{2}$ knots NW until 6 when we hove too and rounded in 18 fathoms course ground. Shortened sail and hauled on the wind to the Westward - at 7 tacked off shore - at 10 tacked in again & at 11 the wind being to NW braced about the yards & stood on the Starboard Tack till midnight - when we tacked off with 12 sounding several times during the night in from 18 to 30 fathoms the latter part of the middle watch was calm a light breeze from North & NE however sprang up in the morning & continued till 9 o'clock - Calm again - saw a Black & Brig & Schooner the two former endeavouring to beat to Windward the latter steering off in low numerous smokes rising over the land though we were at noon in 18 fathoms</p>			
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.
						39° 34'					

H.	K.	F.	Courses.	Winds.	Lee-way.	Air.	Water.	Occurrences, the 22 ^d day of April 1831			
1								<p>The afternoon was almost calm, but during the evening a light breeze sprang up from the SE which gradually hauled to the Eastward -</p> <p>This morning the wind was from N by E and we continued to stand to the Northward until $\frac{1}{2}$ past 9 when we made the land a few miles to the South of the Highlands of New York which were in sight at 10 - At 11 beat the chain more than 30 fathoms in sight most of them standing in for Sandy Hook - At 2 in the afternoon took a Pilot and at 6 hauled in to Pier No 4 Old Slip</p> <p><i>coi fini il viage</i></p>			
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Course.	Dist.	Diff. Lat.	Dep.	Diff. Long.	Lat. by D. R.	Lat. by Obs.	Long. by D. R.	Long. by Chron.	Long. by Obs.	Variation.	Mer. Dist.

~ Arrived in New York ^{1st} Thursday Afternoon April 22^d 1831 ~
~ 56 days from Rio Grande Bay ~

